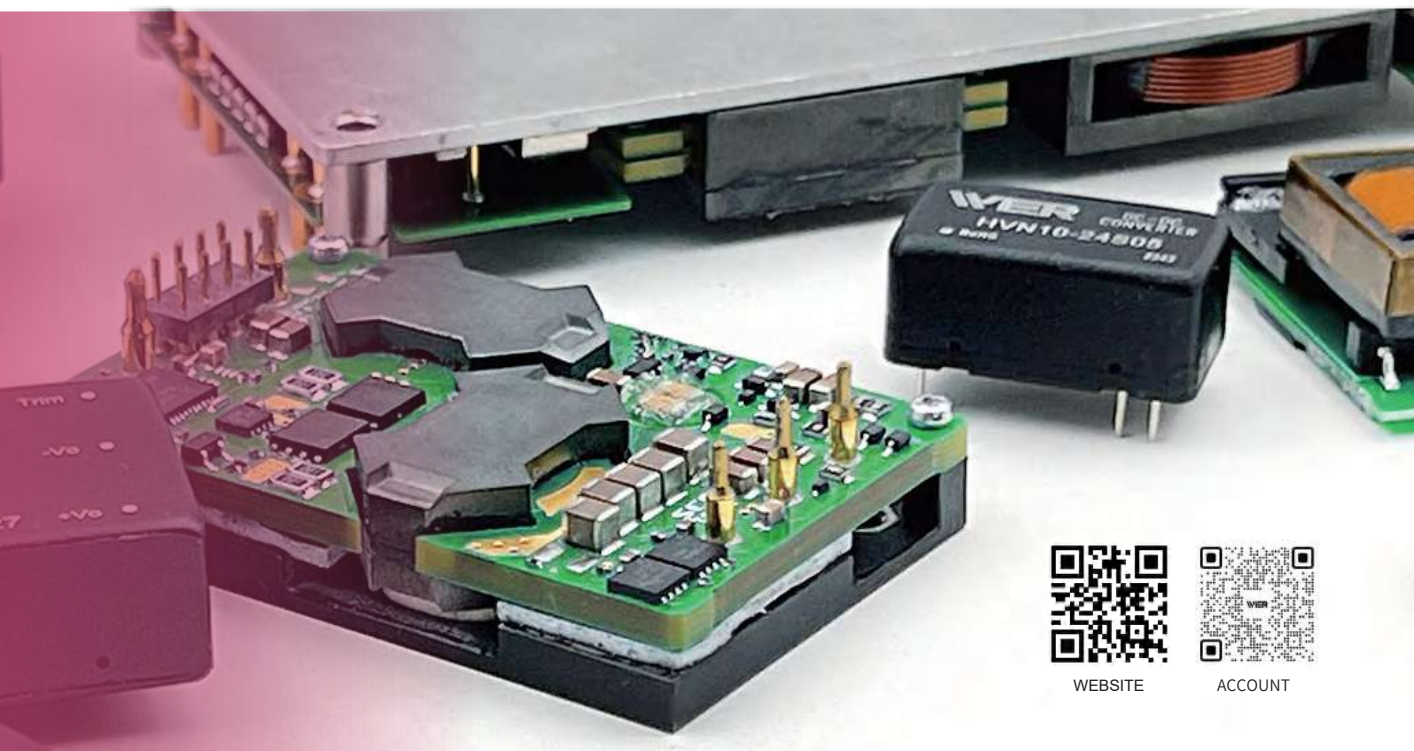




WIER Guangdong Science & Technology Co., Ltd.

POWER MODULE PRODUCT CATALOGUE

2025



WEBSITE



ACCOUNT

CONTENTS

I	COMPANY PROFILE	01
II	OUR BRAND, QUALIFICATIONS & HONORS	02
III	DELIVERY SYSTEM、APPLICATION INDUSTRY	03
IV	POWER MODULE SELECTION TABLE、PIN DEFINITION	04-05
V	DCDC	06-37
	Constant voltage input isolation of DCDC(1-3W)	06-19
	Wide voltage input non-isolation of DCDC(500-2000mA)	20
	Wide voltage input isolation of DCDC(1-80W)	21-37
VI	ACDC	38-46
	Open-frame with small volume of ACDC(3-15W)	38-39
	small volume of ACDC(3-20W)	40-43
	High performance of ACDC(5-20W)	44-45
	Open-frame of ACDC(10、75W)	46
VII	RAIL POWER SUPPLY OF ACDC	47
VIII	RAILWAY POWER MODULE SUPPLY	48-52
IX	PHOTOVOLTAIC POWER MODULE SUPPLY	53-56
X	BRICK POWER MODULE SUPPLY	57
XI	INDUSTRIAL BUS MODULE	58-59
XII	PRECAUTIONS FOR SAFE USE OF PRODUCTS	60

COMPANY PROFILE

WIER Guangdong Science&Technology Co., Ltd. as an innovative technology enterprise under Shenzhen Suplet Co., Ltd. (stock code: 300593), focuses on the research and development of highly reliable module power supplies. Known for its safety and reliability, with a wide variety of products and complete specifications, it has become an industry model in the field of modular power supply.

WIER's core business covers the research and development, production, sales, and service of DC/DC module power supplies, AC/DC module power supplies, industrial bus modules, signal isolation modules, and other products. The product is widely used in multiple fields such as rail transit, energy storage, power, medical, communication, industrial control, charging stations, instruments and meters. We are committed to providing customers with comprehensive technical support and after-sales service to meet the personalized needs of users in different fields.

The development center has a research and development base of over 1000 square meters, bringing together multiple industry experts with over 15 years of research and development experience. The company continues to increase research and development investment, focusing on innovation and breakthroughs in core technology of power modules, and has accumulated multiple key technology patents.

The production center is equipped with a 6000 square meter production workshop and a 5000 square meter product reliability verification center, strictly following the ISO9001:2015 quality management system. By utilizing modern production equipment such as automated production lines, testing equipment, and sealing equipment, we ensure product consistency and stability.

Looking ahead to the future, WIER Guangdong Science&Technology Co., Ltd. will continue to uphold the concepts of "technological innovation" and "craftsmanship to build a brand", continuously improve product quality and technological level, and jointly promote the prosperity and development of the modular power supply industry.



OUR BRAND

Wisdom

Analysis of demand
Market leadership

Independently established and Registered brand

Excellent

Strengthening scientific research
Striving for innovation

Leading in the industry
Technological innovation capability

Reliable

Craftsmanship creates a brand

Drive product technology
Development route

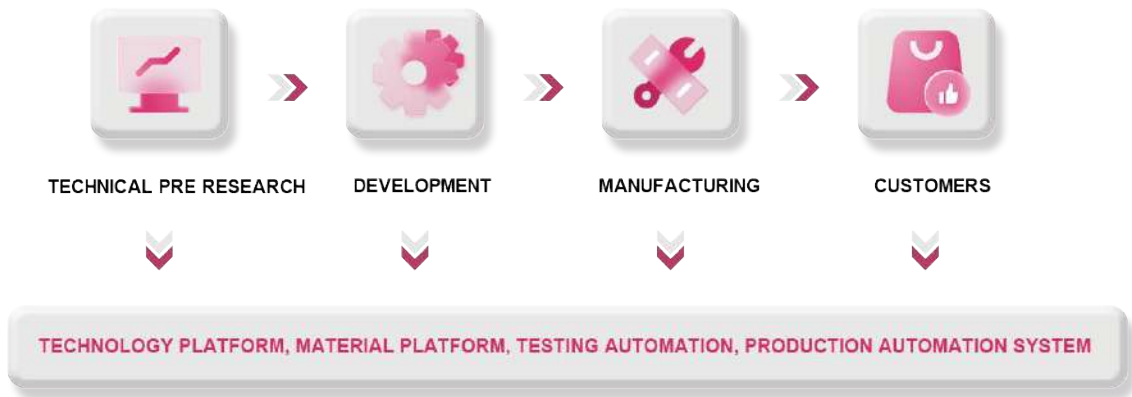
Research and development of industrial grade module power supply

QUALIFICATIONS AND HONORS



PRODUCT DELIVERY SYSTEM

We have a technology platform and material platform with years of industry experience, as well as an efficient product testing automation and production automation system, ensuring that we can operate efficiently in various aspects such as technology pre research, product research and development, production manufacturing, and product delivery system.



PRODUCT APPLICATION INDUSTRY



DCDC POWER MODULE SUPPLY SELECTION TABLE

Product series	Input Range (VDC)	Output power (W)	Output voltage (VDC)	Isolation voltage (VDC)	Output modes	Package	Shell size(mm)	Shell material	Page	
HCLS1	3.3 5 12 15 24	1	3.3 5 12 15 24 ± 5 ± 12 ± 15	1500	1	SIP4	11.60x6.00x10.20	Plastic	P06/P07	
HCS1/HCES1		1		3000	1, 2	SIP6, SIP7	19.60x6.00(7.05)x10.10		P08/P09	
HCS2/HCES2		2		1500/3000	1, 2	SIP6, SIP7	19.60x6.00(7.05)x10.10		P10/P11	
HGS1/HGS2		1/2		6000	1, 2	SIP7	19.50x9.80x12.50		P14/P15	
HGLS1/HGLS2		1/2		6000	1, 2	SIP10	27.40x9.50x12.00			
HCT1/HCET1		1		1500/3000	1, 2	SMD	13.50x11.00x7.25		P16	
HCIT1/HCELT1		1		3000	1	SMD	15.24x11.40x7.25			
HCIS1/HCIS2		$\pm 5\%$		1/2	1500	1, 2	SIP6, SIP7		19.60x6.00(7.05)x10.10	P17/P18/P19
HCP1/HCEP1-M	3.3, 5,	1		1500/3000	1	DIP8	12.70x10.16x8.05		P20	
HCP2/HCEP1/HCEP2	12, 15, 24	1/2		1500/3000	1, 2	DIP14	19.50x9.80x8.00			
H78-500	4.75-36	Output current 500mA	3.3, 9, ± 5 ,	/	1	SIP3	11.60x7.55x10.16	Aluminium alloy	P21	
H78-1000	6-36	Output current 1000mA	± 12 , ± 15	/	1	SIP3	11.60x7.55x10.16			
H78-2000	6-36	Output current 2000mA	3.3, 9, 5, 12, 15	/	1	SIP3	11.50x9.00x17.50		P22/P23	
HVLS3	4.5-18	3	3.3 5 12 15 24 ± 5 ± 12 ± 15	1500	1, 2	SIP6	17.00x9.00x12.00		P24	
HVS3/HVS6/HVS10		3/6/10		1500	1, 2	SIP8	22.00x12.00x9.50		P25	
HVES3/HVES6/HVES10		3/6/10		3000	1, 2	SIP8	22.00x12.00x9.50		P26/P27	
HVN3/HVN6/HVN10		3/6/10		1500	1, 2	DIP16	23.80x13.70x10.20			
HVP3/HVP6/HVP10		3/6/10		1500	1, 2	DIP24	32.00x20.00x11.10	Plastic	P28/P29	
HVGP6		6		6000	1	DIP24	31.80x20.00x12.60			
HVEP3/HVEP6/HVEP10	9-36	3/6/10		3000	1, 2	DIP24	31.80x20.00x12.60	Aluminium alloy	P30/P33	
HVQ6/HVQ10/HVQ15	18-75	6/10/15		1500	1, 2	1"x1"	25.40x25.40x12.00		P34/P35	
HVQ20/HVQ30/HVQ40		20/30/40		1500	1, 2	1"x1"	25.40x25.40x12.00			
HVR10/HVR15/HVR20		10/15/20		1500	1, 2	2"x1"	50.80x25.40x12.00	Plastic	Aluminium alloy	P36/P37
HVER20		20		3000	1, 2	2"x1"	51.60x26.50x12.10			
HVR30/HVR40		30/40	1500	1, 2	2"x1"	50.80x25.40x12.00				
HVR60/HVR80		60/80	1600	1	2"x1"	50.80x25.40x12.00				

Product series	Input Range (VDC)	Output power (W)	Output voltage (VDC)	Isolation voltage (VAC)	Output modes	Package	Shell size(mm)	Shell material	Page
HQS1/HQS2	10.8-13.2 11.6-12.4 13.5-16.5	1/2	+9.0/-9.0, +15/-2.5 +15/-3.5, +15/-8.0	4000	2	SIP7	19.50x12.50x9.80	Plastic	P12/P13
HQLS2	14.5-15.5 21.6-26.4 23.3-24.7		+15/-8.7, +15/-4 +17/-8.7, +18/-3 +20/-4, +20/-5	5000	2	SIP10	27.40x12.00x9.50		

ACDC POWER MODULE SUPPLY SELECTION TABLE

Product series	Input Range (VAC)	Output power (W)	Output voltage (VDC)	Isolation voltage (VAC)	Output modes	Package	Shell size(mm)	Shell material	Page
AWS03/AWS05	85-305	3/5	3.3 5 9 12 15 24	4000	1	SIP	26.40x17.60x11.10	Open type	P38/P39
AWS10/AWS15	90-528	10/15		4000	1	SIP	32.00x20.00x14.50		
AWD03/AWD05	85-305	3/5		4000	1	DIP	25.40x25.40x17.60	Plastic	P40/P43
AWD10		10		4000	1	DIP	40.00x25.40x21.50		
AWD15		15		4000	1	DIP	47.60x26.80x23.50		
AWD20		20		4000	1	DIP	52.40x27.20x24.00		
AWDE15/AWDE20		15/20		3000/4000	1	DIP	53.80x28.80x24.00		
AWH05	85-264	5		3000	1, 2	DIP	48.50x36.00x20.05	Open type	P44/P45
AWH10		10		4000	1, 2	DIP	55.00x45.00x21.00		
AWH15		15		3000	1, 2	DIP	62.00x45.00x22.50		
AWH20		20		3000	1, 2	DIP	70.00x48.00x23.50		
AWO10	85-305	10	5	4000	1	开放式	66.30x30.00x25.00	Open type	P46
AWO75		75	3.3, 5, 9, 12, 15, 24	4000	1	开放式	101.60x50.80x27.00		

INDUSTRIAL BUS MODULE POWER SUPPLY SELECTION TABLE

Product series	Input Range (VDC)	Baud rate (bps)	Nodes	Isolation voltage (VDC)	Type	Package	Shell size(mm)	Shell material	Page
RS485	3.15-3.45 4.75-5.25	500K	256	2500	High speed	DIP	19.50x16.50x7.10	Plastic	P58/P59
		115.2K	64	2500	High speed	DIP	19.50x16.50x7.10		
		9.6K	64	2500	High speed	DIP	19.50x16.50x7.10		
CAN		40K-1M	110	2500	High speed	DIP	19.50x16.50x7.10		
		40K-5M	110	2500	High speed	DIP	12.70x10.16x7.70		
		5K-1M	110	2500	High speed	DIP	19.50x16.50x7.10		
RS422		10M	256	2500	High speed	DIP	19.50x16.50x7.10		
RS232		250K	2	2500	High speed	DIP	19.50x16.50x7.10		

PIN DEFINITION

DCDC

PIN DEFINITION

Vin	Input positive	CS	Can be externally connected to capacitors
GND	Input GND	Trim	Output voltage adjustable
+Vo	Output positive	-S	Remote compensation of output voltage (connected to output ground)
COM	Output GND	+S	Remote compensation of output voltage (connected to output positive)
-Vo	Output negative	NC	No electrical connection
CTRL	ON/OFF control pins	No Pin	No pin
CASE	Pins for connecting metal casing	HV	High Voltage

ACDC

PIN DEFINITION

AC(N)	Neutral line	Trim	Output voltage adjustable	-V(CAP)	External capacitor negative electrode
AC(L)	Live line	COM	Common ground	NC	No electrical connection
+Vo	Output positive		Protective ground	No Pin	No pin
-Vo	Output negative	+V(CAP)	External capacitor positive electrode		

Product features

- Package:SIP4/SIP6/SIP7
- Temperature range:-40°C ~ +105°C
- Isolation voltage:1500/3000VDC
- Full load efficiency:89%(typical)
- Pin standards:International standard
- Application:Electricity,industrial control,etc



HCLS1(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCLS1-03S03	3.3VDC (2.97-3.63)	3.3VDC	30/303mA	82%
HCLS1-03S05		5VDC	20/200mA	83%
HCLS1-05S03	5VDC (4.5-5.5)	3.3VDC	30/303mA	83%
HCLS1-05S05		5VDC	20/200mA	84%
HCLS1-05S09		9VDC	11/111mA	86%
HCLS1-05S12		12VDC	8/84mA	88%
HCLS1-05S15		15VDC	6/67mA	88%
HCLS1-05S24	12 VDC (10.8-13.2)	24VDC	4/42mA	89%
HCLS1-12S03		3.3VDC	30/303mA	84%
HCLS1-12S05		5VDC	20/200mA	86%
HCLS1-12S09		9VDC	11/111mA	87%
HCLS1-12S12		12VDC	8/84mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCLS1-12S15	12 VDC (10.8-13.2)	15VDC	6/67mA	88%
HCLS1-12S24		24VDC	4/42mA	89%
HCLS1-15S05	15VDC (13.5-16.5)	5VDC	20/200mA	85%
HCLS1-15S12		12VDC	8/84mA	89%
HCLS1-15S15		15VDC	6/67mA	89%
HCLS1-24S03	24VDC (21.6-26.4)	3.3VDC	30/303mA	84%
HCLS1-24S05		5VDC	20/200mA	87%
HCLS1-24S09		9VDC	11/111mA	88%
HCLS1-24S12		12VDC	8/84mA	88%
HCLS1-24S15		15VDC	6/67mA	88%
HCLS1-24S24		24VDC	4/42mA	89%
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HCS1(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCS1-03S03	3.3VDC (2.97-3.63)	3.3VDC	30/303mA	82%
HCS1-03S05		5VDC	40/400mA	83%
HCS1-05S03	5VDC (4.5-5.5)	3.3VDC	30/303mA	83%
HCS1-05S05		5VDC	20/200mA	86%
HCS1-05S12		12VDC	8/84mA	88%
HCS1-05S15		15VDC	6/67mA	88%
HCS1-05S24		24VDC	4/42mA	89%
HCS1-05D05	12 VDC (10.8-13.2)	±5VDC	±10/±100mA	86%
HCS1-05D12		±12VDC	±4/±42mA	88%
HCS1-05D15		±15VDC	±3/±34mA	88%
HCS1-12S03		3.3VDC	30/303mA	84%
HCS1-12S05		5VDC	20/200mA	86%
HCS1-12S12	12 VDC (10.8-13.2)	12VDC	8/84mA	87%
HCS1-12S15		15VDC	6/67mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCS1-12S24	12 VDC (10.8-13.2)	24VDC	4/42mA	89%
HCS1-12D03		±3.3VDC	±15/±152mA	84%
HCS1-12D05	24VDC (21.6-26.4)	±5VDC	±10/±100mA	86%
HCS1-12D12		±12VDC	±4/±42mA	85%
HCS1-12D15		±15VDC	±3/±34mA	88%
HCS1-24S03		3.3VDC	30/303mA	84%
HCS1-24S05		5VDC	20/200mA	87%
HCS1-24S12	24VDC (21.6-26.4)	12VDC	8/84mA	88%
HCS1-24S15		15VDC	6/67mA	88%
HCS1-24S24		24VDC	4/42mA	89%
HCS1-24D05		±5VDC	±10/±100mA	87%
HCS1-24D12		±12VDC	±4/±42mA	88%
HCS1-24D15	—	±15VDC	±3/±34mA	88%
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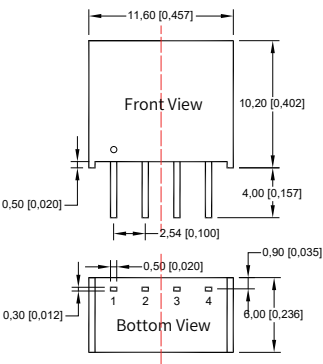
HCES1(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCES1-03S03	3.3VDC (2.97-3.63)	3.3VDC	30/303mA	82%
HCES1-03S05		5VDC	20/200mA	83%
HCES1-05S03	5VDC (4.5-5.5)	3.3VDC	30/303mA	83%
HCES1-05S05		5VDC	20/200mA	86%
HCES1-05S12		12VDC	8/84mA	88%
HCES1-05S15		15VDC	6/67mA	88%
HCES1-05S24		24VDC	4/42mA	89%
HCES1-05D05	12 VDC (10.8-13.2)	±5VDC	±10/±100mA	86%
HCES1-05D12		±12VDC	±4/±42mA	88%
HCES1-05D15		±15VDC	±3/±34mA	88%
HCES1-12S03		3.3VDC	30/303mA	84%
HCES1-12S05		5VDC	20/200mA	86%
HCES1-12S12	12 VDC (10.8-13.2)	12VDC	8/84mA	87%
HCES1-12S15		15VDC	6/67mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCES1-12S24	12 VDC (10.8-13.2)	24VDC	4/42mA	89%
HCES1-12D03		±3.3VDC	±15/±152mA	84%
HCES1-12D05	24VDC (21.6-26.4)	±5VDC	±10/±100mA	86%
HCES1-12D12		±12VDC	±4/±42mA	85%
HCES1-12D15		±15VDC	±3/±34mA	88%
HCES1-24S03		3.3VDC	30/303mA	84%
HCES1-24S05		5VDC	20/200mA	87%
HCES1-24S12	24VDC (21.6-26.4)	12VDC	8/84mA	88%
HCES1-24S15		15VDC	6/67mA	88%
HCES1-24S24		24VDC	4/42mA	89%
HCES1-24D05		±5VDC	±10/±100mA	87%
HCES1-24D12		±12VDC	±4/±42mA	88%
HCES1-24D15	—	±15VDC	±3/±34mA	88%
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Dimension

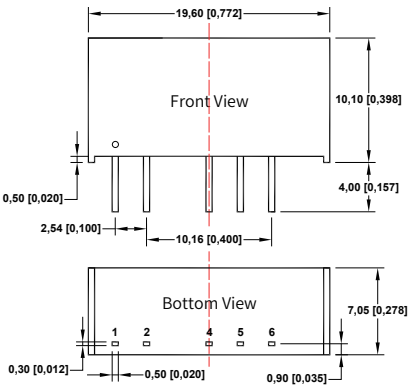
HCLS1:11.60 x 6.00x 10.20 (mm)



Pin	Function(S)
1	GND
2	Vin
3	-Vo
4	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 (\pm 0.004)$
General tolerances: $\pm 0.50 (\pm 0.020)$

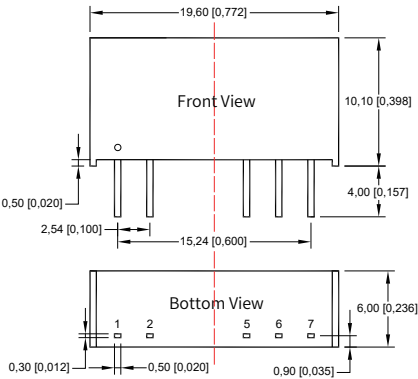
HCS1:19.60x6.00x10.10(mm)



Pin	Function(S)	Function(D)
1	Vin	Vin
2	GND	GND
4	-Vo	-Vo
5	No Pin	COM
6	+Vo	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 (\pm 0.004)$
General tolerances: $\pm 0.50 (\pm 0.020)$

HCES1:19.60x6.00x10.10(mm)



Pin	Function(S)	Function(D)
1	Vin	Vin
2	GND	GND
5	-Vo	-Vo
6	No Pin	COM
7	+Vo	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 (\pm 0.004)$
General tolerances: $\pm 0.50 (\pm 0.020)$

CONSTANT VOLTAGE
INPUT ISOLATION

Product features

- Package:SIP6/SIP7
- Temperature range:-40°C ~ +105°C
- Isolation voltage:1500/3000VDC
- Full load efficiency:90%(typical)
- Pin standards:International standard
- Application:Electricity,industrial control,etc



HCS2(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCS2-03S03	3.3VDC (2.97-3.63)	3.3VDC	40/400mA	82%
HCS2-03S05		5VDC	40/400mA	83%
HCS2-05S03	5VDC (4.5-5.5)	3.3VDC	40/400mA	83%
HCS2-05S05		5VDC	40/400mA	85%
HCS2-05S12		12VDC	16/167mA	86%
HCS2-05S15		15VDC	13/133mA	87%
HCS2-05S24		24VDC	8/83mA	88%
HCS2-05D03		±3.3VDC	±30/±303mA	83%
HCS2-05D05		±5VDC	±20/±200mA	85%
HCS2-05D12		±12VDC	±8/±83mA	86%
HCS2-05D15		±15VDC	6/67mA	87%
HCS2-12S03		3.3VDC	40/400mA	84%
HCS2-12S05	12 VDC (10.8-13.2)	5VDC	40/400mA	85%
HCS2-12S12		12VDC	16/167mA	87%
HCS2-12S15		15VDC	13/133mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCS2-12S24	12 VDC (10.8-13.2)	24VDC	8/83mA	89%
HCS2-12D03		±3.3VDC	±30/±303mA	84%
HCS2-12D05		±5VDC	±20/±200mA	85%
HCS2-12D12		±12VDC	±8/±83mA	87%
HCS2-12D15		±15VDC	±6/±67mA	88%
HCS2-24S03	24VDC (21.6-26.4)	3.3VDC	40/400mA	84%
HCS2-24S05		5VDC	40/400mA	86%
HCS2-24S12		12VDC	16/167mA	88%
HCS2-24S15		15VDC	13/133mA	89%
HCS2-24S24		24VDC	8/83mA	90%
HCS2-24D03		±3.3VDC	±30/±303mA	84%
HCS2-24D05		±5VDC	±20/±200mA	86%
HCS2-24D12		±12VDC	±8/±83mA	88%
HCS2-24D15		±15VDC	±6/±67mA	89%
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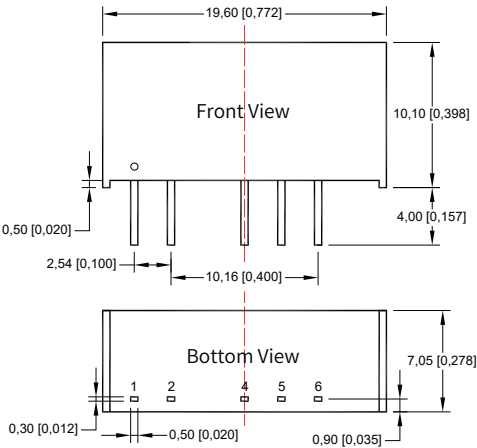
HCS2(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCS2-03S03	3.3VDC (2.97-3.63)	3.3VDC	40/400mA	82%
HCS2-03S05		5VDC	40/400mA	83%
HCS2-05S03	5VDC (4.5-5.5)	3.3VDC	40/400mA	83%
HCS2-05S05		5VDC	40/400mA	85%
HCS2-05S12		12VDC	16/167mA	86%
HCS2-05S15		15VDC	13/133mA	87%
HCS2-05S24		24VDC	8/83mA	88%
HCS2-05D03		±3.3VDC	±30/±303mA	83%
HCS2-05D05		±5VDC	±20/±200mA	85%
HCS2-05D12		±12VDC	±8/±83mA	86%
HCS2-05D15		±15VDC	6/67mA	87%
HCS2-12S03		3.3VDC	40/400mA	84%
HCS2-12S05	12 VDC (10.8-13.2)	5VDC	40/400mA	85%
HCS2-12S12		12VDC	16/167mA	87%
HCS2-12S15		15VDC	13/133mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCS2-12S24	12 VDC (10.8-13.2)	24VDC	8/83mA	89%
HCS2-12D03		±3.3VDC	±30/±303mA	84%
HCS2-12D05		±5VDC	±20/±200mA	85%
HCS2-12D12		±12VDC	±8/±83mA	87%
HCS2-12D15		±15VDC	±6/±67mA	88%
HCS2-24S03	24VDC (21.6-26.4)	3.3VDC	40/400mA	84%
HCS2-24S05		5VDC	40/400mA	86%
HCS2-24S12		12VDC	16/167mA	88%
HCS2-24S15		15VDC	13/133mA	89%
HCS2-24S24		24VDC	8/83mA	90%
HCS2-24D03		±3.3VDC	±30/±303mA	84%
HCS2-24D05		±5VDC	±20/±200mA	86%
HCS2-24D12		±12VDC	±8/±83mA	88%
HCS2-24D15		±15VDC	±6/±67mA	89%
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Dimension

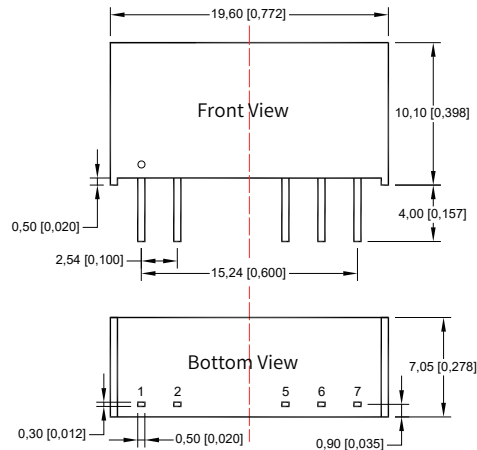
HCS2:19.60x7.05x10.10(mm)



Pin	Function(S)	Function(D)
1	V _{in}	V _{in}
2	GND	GND
4	-V _o	-V _o
5	No Pin	COM
6	+V _o	+V _o

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

HCES2:19.60x7.05x10.10(mm)



Pin	Function(S)	Function(D)
1	V _{in}	V _{in}
2	GND	GND
5	-V _o	-V _o
6	No Pin	COM
7	+V _o	+V _o

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

CONSTANT VOLTAGE
INPUT ISOLATION

Product features

- Package:SIP7
- Temperature range:-40°C ~ +105°C
- Isolation voltage:4200VAC/6000VDC
- Full load efficiency:82%(typical)
- Pin standards:International standard
- Application:Medical, electrical, industrial control, etc



HGS1(Isolation voltage:4200VAC/6000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HGS1-05S05	5VDC (4.5-5.5)	5VDC	20/200mA	79%
HGS1-05S12		12VDC	8/84mA	80%
HGS1-05S15		15VDC	6/68mA	81%
HGS1-05D05		±5VDC	±10/±100mA	79%
HGS1-05D12		±12VDC	±4/±40mA	80%
HGS1-05D15	12 VDC (10.8-13.2)	±15VDC	±3/±35mA	81%
HGS1-12S05		5VDC	20/200mA	79%
HGS1-12S12		12VDC	8/84mA	81%
HGS1-12S15		15VDC	6/68mA	79%
HGS1-12D05		±5VDC	±10/±100mA	79%
HGS1-12D12		±12VDC	±4/±40mA	81%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HGS1-12D15	12VDC(10.8-13.2)	±15VDC	±3/±35mA	79%
HGS1-15S05	15 VDC (13.5-16.5)	5VDC	20/200mA	79%
HGS1-15D05		±5VDC	±10/±100mA	80%
HGS1-15D15	24VDC (21.6-26.4)	±15VDC	±3/±33mA	81%
HGS1-24S05		5VDC	20/200mA	76%
HGS1-24S12		12VDC	8/84mA	79%
HGS1-24S15		15VDC	6/68mA	79%
HGS1-24D05		±5VDC	±10/±100mA	76%
HGS1-24D12		±12VDC	±4/±40mA	79%
HGS1-24D15		±15VDC	±3/±35mA	79%
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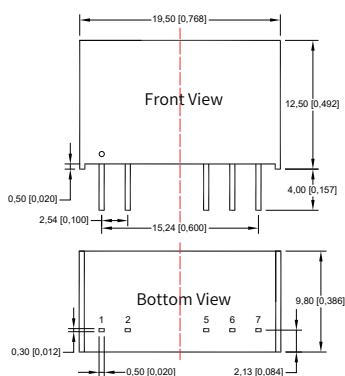
HGS2(Isolation voltage:4200VAC/6000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HGS2-05S05	5VDC (4.5-5.5)	5VDC	40/400mA	80%
HGS2-05S12		12VDC	16/168mA	82%
HGS2-05S15		15VDC	13/136mA	82%
HGS2-05D05		±5VDC	±20/±200mA	81%
HGS2-05D12		±12VDC	±8/±80mA	82%
HGS2-05D15	12 VDC (10.8-13.2)	±15VDC	±7/±70mA	82%
HGS2-12S05		5VDC	40/400mA	81%
HGS2-12S12		12VDC	16/168mA	83%
HGS2-12S15		15VDC	13/136mA	80%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HGS2-12D05	12 VDC (10.8-13.2)	±5VDC	±20/±200mA	81%
HGS2-12D12		±12VDC	±8/±80mA	83%
HGS2-12D15		±15VDC	±7/±70mA	80%
HGS2-24S05	24VDC (21.6-26.4)	5VDC	40/400mA	80%
HGS2-24S12		12VDC	16/168mA	82%
HGS2-24S15		15VDC	13/136mA	81%
HGS2-24D05		±5VDC	±20/±200mA	80%
HGS2-24D12		±12VDC	±8/±80mA	82%
HGS2-24D15		±15VDC	±7/±70mA	81%

Dimension

HGS1/HGS2:19.50x9.80x12.50(mm)



Pin	Function(S)	Function(D)
1	Vin	Vin
2	GND	GND
5	-Vo	-Vo
6	No Pin	COM
7	+Vo	+Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:SIP10
- Temperature range:-40°C ~ +105°C
- Isolation voltage:5000VAC/6000VDC
- Full load efficiency:82%(typical)
- Pin standards:International standard
- Application:Medical, electrical, industrial control, etc


 CONSTANT VOLTAGE
INPUT ISOLATION

HGLS1(Isolation voltage:5000VAC/6000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HGLS1-05S05	5VDC (4.5-5.5)	5VDC	20/200mA	79%
HGLS1-05S12		12VDC	8/84mA	80%
HGLS1-05S15		15VDC	6/68mA	81%
HGLS1-05D05		±5VDC	±10/±100mA	79%
HGLS1-05D12		±12VDC	±4/±40mA	80%
HGLS1-05D15		±15VDC	±3/±35mA	81%
HGLS1-12S05	12 VDC (10.8-13.2)	5VDC	20/200mA	79%
HGLS1-12S12		12VDC	8/84mA	81%
HGLS1-12S15		15VDC	6/68mA	79%
HGLS1-12D05		±5VDC	±10/±100mA	79%
HGLS1-12D12		±12VDC	±4/±40mA	81%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HGLS1-12D15	12VDC(10.8-13.2)	±15VDC	±3/±35mA	79%
HGLS1-15S05	15 VDC (13.5-16.5)	5VDC	20/200mA	79%
HGLS1-15D05		±5VDC	±10/±100mA	80%
HGLS1-15D15		±15VDC	±3/±33mA	81%
HGLS1-24S05	24VDC (21.6-26.4)	5VDC	20/200mA	76%
HGLS1-24S12		12VDC	8/84mA	79%
HGLS1-24S15		15VDC	6/68mA	79%
HGLS1-24D05		±5VDC	±10/±100mA	76%
HGLS1-24D12		±12VDC	±4/±40mA	79%
HGLS1-24D15		±15VDC	±3/±35mA	79%
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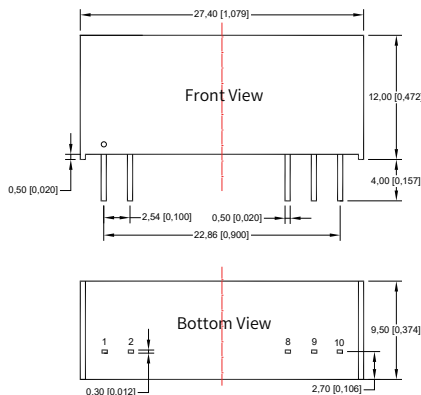
HGLS2(Isolation voltage:5000VAC/6000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HGLS2-05S05	5VDC (4.5-5.5)	5VDC	40/400mA	80%
HGLS2-05S12		12VDC	16/168mA	82%
HGLS2-05S15		15VDC	13/136mA	82%
HGLS2-05D05		±5VDC	±20/±200mA	81%
HGLS2-05D12		±12VDC	±8/±80mA	82%
HGLS2-05D15		±15VDC	±7/±70mA	82%
HGLS2-12S05	12 VDC (10.8-13.2)	5VDC	40/400mA	81%
HGLS2-12S12		12VDC	16/168mA	83%
HGLS2-12S15		15VDC	13/136mA	80%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HGLS2-12D05	12 VDC (10.8-13.2)	±5VDC	±20/±200mA	81%
HGLS2-12D12		±12VDC	±8/±80mA	83%
HGLS2-12D15		±15VDC	±7/±70mA	80%
HGLS2-24S05	24VDC (21.6-26.4)	5VDC	40/400mA	80%
HGLS2-24S12		12VDC	16/168mA	82%
HGLS2-24S15		15VDC	13/136mA	81%
HGLS2-24D05		±5VDC	±20/±200mA	80%
HGLS2-24D12		±12VDC	±8/±80mA	82%
HGLS2-24D15		±15VDC	±7/±70mA	81%

Dimension

HGLS1/HGLS2:27.40x9.50x12.00(mm)



Pin	Function(S)	Function(D)
1	Vin	Vin
2	GND	GND
8	-Vo	-Vo
9	No Pin	COM
10	+Vo	+Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:SIP7/SIP10
- Temperature range:-40°C ~ +85°C/-40°C ~ +105°C
- Isolation voltage:4000VAC/5000VAC
- Full load efficiency:80%(typical)
- Pin standards:International standard
- Application:Medical, electrical, industrial control, etc



HQS1/HQS2(Isolation voltage:4000VAC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HQS1-05D1509	5VDC (4.5-5.5)	+15/-8.7VDC	+80/-40mA	80%
HQS1-05D2005		+20/-5VDC	+80/-40mA	80%
HQS1-12D1509	12VDC(11.6-12.4)	+15/-8.7VDC	+80/-40mA	80%
HQS1-15D0909		+9/-9VDC	+55/-55mA	80%
HQS1-15D1509	15 VDC (13.5-16.5)	+15/-8.7VDC	+80/-40mA	80%
HQS1-15D1709		+17/-8.7VDC	+80/-40mA	80%
HQS1-15D2005		+20/-5VDC	+80/-40mA	80%

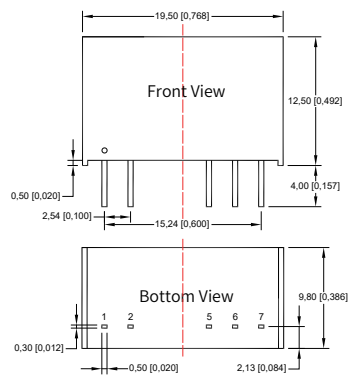
Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HQS2-12D1503	12VDC (10.8-13.2)	+15/-3.5VDC	+111/-111mA	80%
HQS2-12D1509		+15/-9VDC	+100/-100mA	79%
HQS2-12D2004		+20/-4VDC	+100/-100mA	78%
HQS2-12D2005		+20/-5VDC	+100/-100mA	78%
HQS2-15D1504	15 VDC (13.5-16.5)	+15/-4VDC	+100/-100mA	79%
HQS2-15D1509		+15/-9VDC	+100/-100mA	79%
HQS2-15D1803		+18/-3VDC	+100/-100mA	78%
HQS2-15D2004		+20/-4VDC	+100/-100mA	80%
HQS2-15D2005	24VDC (21.6-26.4)	+20/-5VDC	+100/-100mA	80%
HQS2-24D1509		+15/-9VDC	+100/-100mA	79%
HQS2-24D2004		+20/-4VDC	+100/-100mA	80%

HQLS2(Isolation voltage:5000VAC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HQLS2-12D1509	12 VDC(10.8-13.2)	+15/-9VDC	+100/-100mA	79%
HQLS2-15D1509	15 VDC(13.5-16.5)	+15/-9VDC	+100/-100mA	79%
HQLS2-24D1509	24VDC(21.6-26.4)	+15/-9VDC	+100/-100mA	79%

Dimension

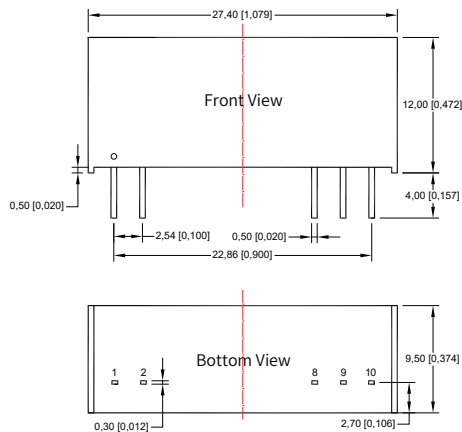
HQS1/HQS2:19.50x9.80x12.00(mm)



Pin	Function(D)
1	V _{in}
2	GND
5	-V _o
6	COM
7	+V _o

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

HQLS2:27.40x9.50x12.00(mm)



Pin	Function(D)
1	V _{in}
2	GND
8	-V _o
9	COM
10	+V _o

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

Product features

- Package:SMD
- Temperature range:-40°C ~ +105°C
- Isolation voltage:1500VDC/3000VDC
- Full load efficiency:73/88%(typical)
- Pin standards:International standard
- Application:Electricity,industrial control,communication,etc



HCT1(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCT1-03S03	3.3VDC (2.97-3.63)	3.3VDC	30/303mA	80%
HCT1-03S05		5VDC	20/200mA	82%
HCT1-05S03	5VDC (4.5-5.5)	3.3VDC	30/303mA	82%
HCT1-05S05		5VDC	20/200mA	85%
HCT1-05S12		12VDC	8/84mA	86%
HCT1-05S15		15VDC	6/67mA	86%
HCT1-05S24		24VDC	4/42mA	87%
HCT1-05D05		±5VDC	±10/±100mA	82%
HCT1-05D12		±12VDC	±4/±42mA	83%
HCT1-12S03	12 VDC (10.8-13.2)	3.3VDC	±30/303mA	82%
HCT1-12S05		5VDC	20/200mA	85%
HCT1-12S12		12VDC	8/84mA	86%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCT1-12S15	12 VDC (10.8-13.2)	15VDC	6/67mA	86%
HCT1-12S24		24VDC	4/42mA	88%
HCT1-15S05	15 VDC (13.5-16.5)	5VDC	20/200mA	86%
HCT1-15S12		12VDC	8/84mA	87%
HCT1-15S15		15VDC	6/67mA	88%
HCT1-24S03	24VDC (21.6-26.4)	3.3VDC	30/303mA	82%
HCT1-24S05		5VDC	20/200mA	85%
HCT1-24S12		12VDC	8/84mA	87%
HCT1-24S15		15VDC	6/67mA	87%
HCT1-24S24		24VDC	4/42mA	88%
HCT1-24D05		±5VDC	±10/±100mA	85%
HCT1-24D15		±15VDC	±3/±34mA	88%

HCIT1(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCIT1-05S03	5VDC (4.5-5.5)	3.3VDC	25/250mA	67%
HCIT1-05S05		5VDC	20/200mA	70%
HCIT1-05S09		9VDC	5.6/56mA	71%
HCIT1-05S12		12VDC	8.4/84mA	72%
HCIT1-05S15		15VDC	6.7/67mA	73%
HCIT1-05S24		24VDC	4.1/41mA	72%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCIT1-12S03	12 VDC (11.4-12.6)	3.3VDC	25/250mA	67%
HCIT1-12S05		5VDC	20/200mA	70%
HCIT1-12S12		12VDC	8.3/83mA	72%
HCIT1-24S03	24VDC (22.8-25.2)	3.3VDC	25/250mA	67%
HCIT1-24S05		5VDC	20/200mA	72%
HCIT1-24S12		12VDC	8.3/83mA	73%

HCET1(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCET1-03S03	3.3VDC (2.97-3.63)	3.3VDC	30/303mA	80%
HCET1-03S05		5VDC	20/200mA	82%
HCET1-05S03	5VDC (4.5-5.5)	3.3VDC	30/303mA	82%
HCET1-05S05		5VDC	20/200mA	85%
HCET1-05S12		12VDC	8/84mA	86%
HCET1-05S15		15VDC	6/67mA	86%
HCET1-05S24		24VDC	4/42mA	87%
HCET1-12S03	12 VDC (10.8-13.2)	3.3VDC	30/303mA	82%
HCET1-12S05		5VDC	20/200mA	85%
HCET1-12S12		12VDC	8/84mA	86%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCET1-12S15	12 VDC (10.8-13.2)	15VDC	6/67mA	86%
HCET1-12S24		24VDC	4/42mA	88%
HCET1-15S05	15 VDC (13.5-16.5)	5VDC	20/200mA	86%
HCET1-15S12		12VDC	8/84mA	87%
HCET1-15S15		15VDC	6/67mA	88%
HCET1-24S03	24VDC (21.6-26.4)	3.3VDC	30/303mA	82%
HCET1-24S05		5VDC	20/200mA	85%
HCET1-24S12		12VDC	8/84mA	87%
HCET1-24S15		15VDC	6/67mA	87%
HCET1-24S24		24VDC	4/42mA	88%

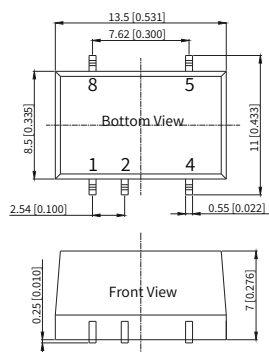
HCELT1(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCELT1-05S03	5VDC (4.5-5.5)	3.3VDC	30/303mA	74%
HCELT1-05S05		5VDC	20/200mA	82%
HCELT1-05S09		9VDC	12/111mA	83%
HCELT1-05S12		12VDC	9/84mA	83%
HCELT1-05S15		15VDC	7/67mA	83%
HCELT1-05S24		24VDC	4/42mA	85%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCELT1-05D03	5VDC (4.5-5.5)	±3.3VDC	±15/±151mA	74%
HCELT1-05D05		±5VDC	±10/±100mA	82%
HCELT1-05D09		±9VDC	±6/±56mA	83%
HCELT1-05D12		±12VDC	±5/±42mA	83%
HCELT1-05D15		±15VDC	±4/±34mA	83%
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Dimension

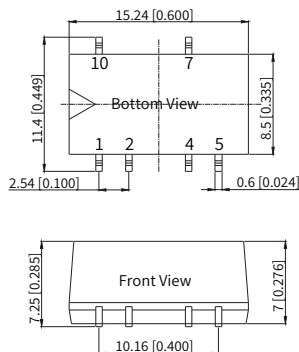
HCT1/HCET1:13.50x11.00x7.25(mm)



Pin	Function(S)
1	GND
2	Vin
4	-Vo
5	+Vo
8	NC

Note:
Unit: mm[inch]
Pin section tolerances: ± 0.10 [± 0.004]
General tolerances: ± 0.50 [± 0.020]

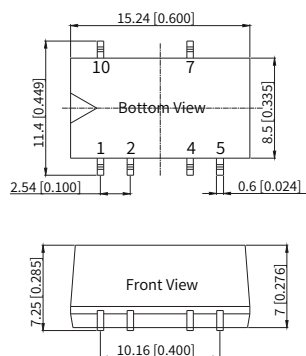
HCT1-D:15.24x11.40x7.25(mm)



Pin	Function(D)
1	GND
2	Vin
4	-Vo
5	-Vo
7	+Vo
10	NC

Note:
Unit: mm[inch]
Pin section tolerances: ± 0.10 [± 0.004]
General tolerances: ± 0.50 [± 0.020]

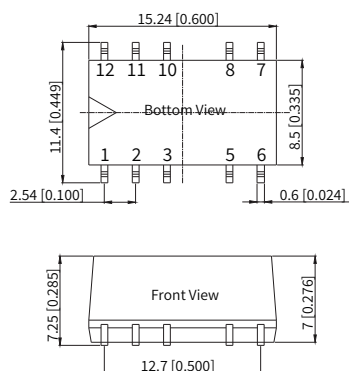
HCIT1:15.24x11.40x7.25(mm)



Pin	Function(S)
1	GND
2	Vin
4	-Vo
5	-Vo
7	+Vo
10	NC

Note:
Unit: mm[inch]
Pin section tolerances: ± 0.10 [± 0.004]
General tolerances: ± 0.50 [± 0.020]

HCELT1:15.24x11.40x7.25(mm)

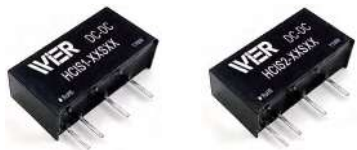


Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
5	-Vo	COM
6	NC	-Vo
8	+Vo	+Vo
other	NC	NC

Note:
Unit: mm[inch]
Pin section tolerances: ± 0.10 [± 0.004]
General tolerances: ± 0.50 [± 0.020]

Product features

- Package:SIP6
- Temperature range:-40°C ~ +105°C
- Isolation voltage:1500VDC
- Full load efficiency:73%(typical)
- Pin standards:International standard
- Application:Electricity,industrial control,communication,etc



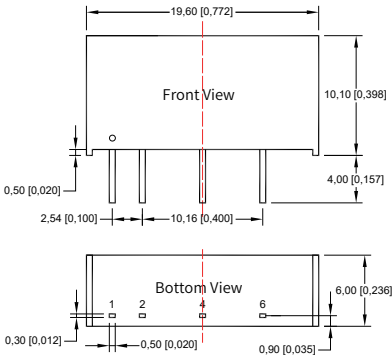
HCIS1/HCIS2(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCIS1-05S03	5VDC (4.75-5.25)	3.3VDC	20/205mA	69%
HCIS1-05S05		5VDC	20/200mA	70%
HCIS1-05S12		12VDC	8/84mA	71%
HCIS1-05S15		15VDC	6/67mA	72%
HCIS1-05S24		24VDC	4/41mA	73%
HCIS1-12S03	12 VDC (11.4-12.6)	3.3VDC	25250mA	73%
HCIS1-12S05		5VDC	20/200mA	73%
HCIS1-24S03	24VDC (22.8-25.2)	3.3VDC	25/250mA	71%
HCIS1-24S05		5VDC	20/200mA	73%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCIS2-05S03	5VDC (4.75-5.25)	3.3VDC	40/400mA	69%
HCIS2-05S05		5VDC	40/400mA	70%
HCIS2-12S03	12 VDC (11.4-12.6)	3.3VDC	40/400mA	69%
HCIS2-12S05		5VDC	40/400mA	71%
HCIS2-24S03	24VDC (22.8-25.2)	3.3VDC	40/400mA	70%
HCIS2-24S05		5VDC	40/400mA	72%

Dimension

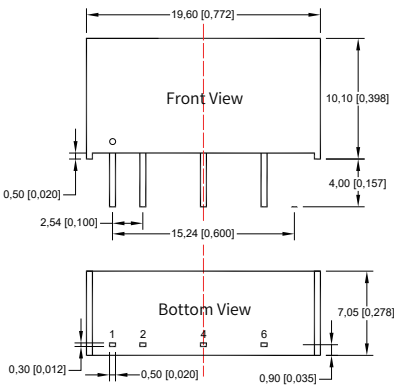
HCIS1:19.60x6.00x10.10(mm)



Pin	Function(S)
1	Vin
2	GND
4	-Vo
6	+Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

HCIS2:19.60x7.05x10.10(mm)



Pin	Function(S)
1	Vin
2	GND
4	-Vo
6	+Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:DIP8/DIP14
- Temperature range:-40°C ~ +105°C
- Isolation voltage:1500VDC
- Full load efficiency:89%(typical)
- Pin standards:International standard
- Application:Electricity,industrial control,communication,etc

CONSTANT VOLTAGE
INPUT ISOLATION

HCP1(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCP1-03S03	3.3VDC	3.3VDC	30/303mA	80%
HCP1-03S05	5VDC (2.97-3.63)	5VDC	20/200mA	82%
HCP1-05S03	5VDC (4.5-5.5)	3.3VDC	30/303mA	82%
HCP1-05S05		5VDC	20/200mA	85%
HCP1-05S12		12VDC	8/84mA	86%
HCP1-05S15		15VDC	6/67mA	86%
HCP1-05S24	12 VDC (10.8-13.2)	24VDC	4/42mA	87%
HCP1-12S03		3.3VDC	30/303mA	82%
HCP1-12S05		5VDC	20/200mA	85%
HCP1-12S12		12VDC	8/84mA	86%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCP1-12S15	12 VDC (10.8-13.2)	15VDC	6/67mA	86%
HCP1-12S24	15VDC (13.5-16.5)	24VDC	4/42mA	88%
HCP1-15S05		5VDC	20/200mA	86%
HCP1-15S12		12VDC	8/84mA	87%
HCP1-15S15		15VDC	6/67mA	88%
HCP1-24S03	24VDC (21.6-26.4)	3.3VDC	30/303mA	82%
HCP1-24S05		5VDC	20/200mA	85%
HCP1-24S12		12VDC	8/84mA	87%
HCP1-24S15		15VDC	6/67mA	87%
HCP1-24S24		24VDC	4/42mA	88%

HCP2(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCP2-03S03	3.3VDC	3.3VDC	40/400mA	77%
HCP2-03S05	5VDC (2.97-3.63)	5VDC	40/400mA	79%
HCP2-05S03	5VDC (4.5-5.5)	3.3VDC	40/400mA	83%
HCP2-05S05		5VDC	20/200mA	85%
HCP2-05S12		12VDC	13/133mA	87%
HCP2-05S15		15VDC	6/67mA	86%
HCP2-05S24		24VDC	8/83mA	88%
HCP2-05D03		±3.3VDC	±30/±303mA	83%
HCP2-05D05		±5VDC	±20/±200mA	85%
HCP2-05D12		±12VDC	±8/±83mA	86%

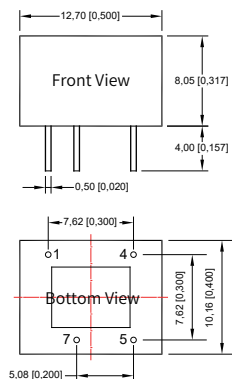
Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCP2-15S03	15VDC (13.5-16.5)	3.3VDC	40/400mA	84%
HCP2-15S05		5VDC	40/400mA	85%
HCP2-15S12		12VDC	16/167mA	87%
HCP2-15S15		15VDC	13/133mA	88%
HCP2-15S24		24VDC	8/83mA	89%
HCP2-15D03		±3.3VDC	±30/±303mA	84%
HCP2-15D05		±5VDC	±20/±200mA	85%
HCP2-15D12		±12VDC	±8/±83mA	87%
HCP2-15D15		±15VDC	±6/±67mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCP2-05D15	5VDC(4.5-5.5)	±15VDC	±6/±67mA	87%
HCP2-12S03	12VDC (10.8-13.2)	3.3VDC	40/400mA	84%
HCP2-12S05		5VDC	40/400mA	85%
HCP2-12S12		12VDC	16/167mA	87%
HCP2-12S15		15VDC	13/133mA	88%
HCP2-12S24		24VDC	8/83mA	89%
HCP2-12D03		±3.3VDC	±30/±303mA	84%
HCP2-12D05		±5VDC	±20/±200mA	85%
HCP2-12D12		±12VDC	±8/±83mA	87%
HCP2-12D15		±15VDC	±6/±67mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCP2-24S03	24VDC (21.6-26.4)	3.3VDC	40/400mA	84%
HCP2-24S05		5VDC	40/400mA	86%
HCP2-24S12		12VDC	16/167mA	88%
HCP2-24S15		15VDC	13/133mA	89%
HCP2-24S24		24VDC	8/83mA	90%
HCP2-24D03		±3.3VDC	±30/±303mA	84%
HCP2-24D05		±5VDC	±20/±200mA	86%
HCP2-24D12		±12VDC	±8/±83mA	88%
HCP2-24D15		±15VDC	±6/±67mA	89%

Dimension

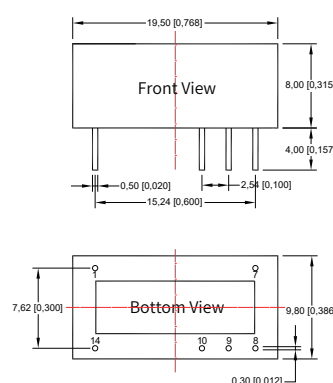
HCP1:12.70x10.16x8.05(mm)



Pin	Function(S)
1	GND
4	Vin
5	+Vo
7	-Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

HCP219.50x9.80x8.00(mm)



Pin	Function(S)	Function(D)
1	GND	GND
7	NC	NC
8	-Vo	COM
9	+Vo	+Vo
10	No Pin	-Vo
14	Vin	Vin

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:DIP8/DIP14
- Temperature range:-40°C ~ +105°C
- Isolation voltage:3000VDC
- Full load efficiency:88%/89%(typical)
- Pin standards:International standard
- Application:Electricity,industrial control,communication,etc



HCEP1-M(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP1-03S03M	3.3VDC (2.97-3.63)	3.3VDC	30/303mA	80%
HCEP1-03S05M		5VDC	20/200mA	82%
HCEP1-03S12M	5VDC (4.5-5.5)	12VDC	8/84mA	84%
HCEP1-05S03M		3.3VDC	30/303mA	82%
HCEP1-05S05M		5VDC	20/200mA	85%
HCEP1-05S12M		12VDC	8/84mA	86%
HCEP1-05S15M		15VDC	6/67mA	86%
HCEP1-05S24M	12 VDC (10.8-13.2)	24VDC	4/42mA	87%
HCEP1-12S03M		3.3VDC	30/303mA	82%
HCEP1-12S05M		5VDC	20/200mA	85%
HCEP1-12S12M		12VDC	8/84mA	86%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP1-12S15M	12 VDC (10.8-13.2)	15VDC	6/67mA	86%
HCEP1-12S24M		24VDC	4/42mA	88%
HCEP1-15S05M	15VDC (13.5-16.5)	5VDC	20/200mA	86%
HCEP1-15S12M		12VDC	8/84mA	87%
HCEP1-15S15M		15VDC	6/67mA	88%
HCEP1-24S03M	24VDC (21.6-26.4)	3.3VDC	30/303mA	82%
HCEP1-24S05M		5VDC	20/200mA	85%
HCEP1-24S12M		12VDC	8/84mA	87%
HCEP1-24S15M		15VDC	6/67mA	87%
HCEP1-24S24M		24VDC	4/42mA	88%
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HCEP1(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP1-03S03	3.3VDC (2.97-3.63)	3.3VDC	30/303mA	80%
HCEP1-03S05		5VDC	20/200mA	82%
HCEP1-03S12		12VDC	8/84mA	84%
HCEP1-05S03	5VDC (4.5-5.5)	3.3VDC	30/303mA	83%
HCEP1-05S05		5VDC	20/200mA	86%
HCEP1-05S12		12VDC	8/84mA	88%
HCEP1-05S15		15VDC	6/67mA	88%
HCEP1-05S24		24VDC	4/42mA	89%
HCEP1-05D05		±5VDC	10/±100mA	86%
HCEP1-05D12		±12VDC	4/±42mA	88%
HCEP1-05D15		±15VDC	3/±34mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP1-12S03	12 VDC (10.8-13.2)	3.3VDC	30/303mA	84%
HCEP1-12S05		5VDC	20/200mA	86%
HCEP1-12S12		12VDC	8/84mA	87%
HCEP1-12S15		15VDC	6/67mA	88%
HCEP1-12S24		24VDC	4/42mA	89%
HCEP1-12D03		±3.3VDC	15/±152mA	84%
HCEP1-12D05		±5VDC	10/±100mA	86%
HCEP1-12D12		±12VDC	4/±42mA	87%
HCEP1-12D15		±15VDC	3/±34mA	88%
HCEP1-12D15		±15VDC	3/±34mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP1-15S05	15VDC (13.5-16.5)	5VDC	20/200mA	86%
HCEP1-15S12		12VDC	8/84mA	87%
HCEP1-15S15		15VDC	6/67mA	88%
HCEP1-15D05		±5VDC	100/±100mA	86%
HCEP1-15D12		±12VDC	4/±42mA	87%
HCEP1-15D15		±15VDC	3/±34mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP1-24S03	24VDC (21.6-26.4)	3.3VDC	30/303mA	84%
HCEP1-24S05		5VDC	20/200mA	87%
HCEP1-24S12		12VDC	8/84mA	88%
HCEP1-24S15		15VDC	6/67mA	88%
HCEP1-24S24		24VDC	4/42mA	89%
HCEP1-24D05		±5VDC	10/±100mA	87%
HCEP1-24D12		±12VDC	4/±42mA	88%
HCEP1-24D15		±15VDC	3/±34mA	88%
HCEP1-24D15		±15VDC	3/±34mA	88%

HCEP2(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP2-03S03	3.3VDC (2.97-3.63)	3.3VDC	40/400mA	77%
HCEP2-03S05		5VDC	40/400mA	79%
HCEP2-03S12		12VDC	16/167mA	81%
HCEP2-05S03	5VDC (4.5-5.5)	3.3VDC	40/400mA	83%
HCEP2-05S05		5VDC	20/200mA	85%
HCEP2-05S12		12VDC	13/133mA	86%
HCEP2-05S15		15VDC	6/67mA	87%
HCEP2-05S24		24VDC	8/83mA	88%
HCEP2-05D03		±3.3VDC	±30/±303mA	83%
HCEP2-05D05		±5VDC	±20/±200mA	85%
HCEP2-05D12		±12VDC	±8/±83mA	86%
HCEP2-05D15		±15VDC	±6/±67mA	87%

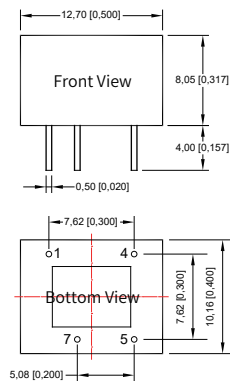
Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP2-15S03	15VDC (13.5-16.5)	3.3VDC	40/400mA	84%
HCEP2-15S05		5VDC	40/400mA	85%
HCEP2-15S12		12VDC	16/167mA	87%
HCEP2-15S15		15VDC	13/133mA	88%
HCEP2-15S24		24VDC	8/83mA	89%
HCEP2-15D03		±3.3VDC	±30/±303mA	84%
HCEP2-15D05		±5VDC	±20/±200mA	85%
HCEP2-15D12		±12VDC	±8/±83mA	87%
HCEP2-15D15		±15VDC	±6/±67mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP2-12S03	12VDC (10.8-13.2)	3.3VDC	40/400mA	84%
HCEP2-12S05		5VDC	40/400mA	85%
HCEP2-12S12		12VDC	16/167mA	87%
HCEP2-12S15		15VDC	13/133mA	88%
HCEP2-12S24		24VDC	8/83mA	89%
HCEP2-12D03		±3.3VDC	±30/±303mA	84%
HCEP2-12D05		±5VDC	±20/±200mA	85%
HCEP2-12D12		±12VDC	±8/±83mA	87%
HCEP2-12D15		±15VDC	±6/±67mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HCEP2-24S03	24VDC (21.6-26.4)	3.3VDC	40/400mA	84%
HCEP2-24S05		5VDC	40/400mA	86%
HCEP2-24S12		12VDC	16/167mA	88%
HCEP2-24S15		15VDC	13/133mA	89%
HCEP2-24S24		24VDC	8/83mA	90%
HCEP2-24D03		±3.3VDC	±30/±303mA	84%
HCEP2-24D05		±5VDC	±20/±200mA	86%
HCEP2-24D12		±12VDC	±8/±83mA	88%
HCEP2-24D15		±15VDC	±6/±67mA	89%

Dimension

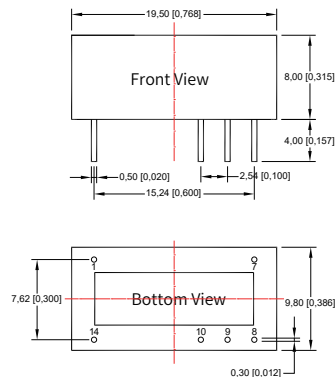
HCEP1-M:12.70x10.16x8.05(mm)



Pin	Function(S)
1	GND
4	Vin
5	+Vo
7	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10 [±0.004]
General tolerances: ±0.50 [±0.020]

HCEP1/2:19.50x9.80x8.00(mm)



Pin	Function(S)	Function(D)
1	GND	GND
7	NC	NC
8	+Vo	+Vo
9	No Pin	COM
10	-Vo	-Vo
14	Vin	Vin

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10 [±0.004]
General tolerances: ±0.50 [±0.020]

Product features

- Package:SIP3
- Temperature range:-40°C ~ +85°C
- Supports negative output/fully stabilized output
- Full load efficiency:94%(typical)
- Equipped with output short circuit protection
- Application:Electricity,industrial control,communication,etc



H78-500/H78-1000

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
H7803-500	24VDC(4.75-36)	3.3VDC	500mA	80%
H7805-500	24VDC(6.5-36)	5VDC	500mA	84%
	12VDC(7-31)	-5VDC	-300mA	81%
H7809-500	24VDC(12-36)	9VDC	500mA	90%
	24VDC(15-36)	12VDC	500mA	91%
H7812-500	12VDC(8-24)	-12VDC	-150mA	85%
	24VDC(19-36)	15VDC	500mA	93%
H7815-500	12VDC(8-21)	-15VDC	-150mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
H7803-1000	24VDC(6-36)	3.3VDC	1000mA	81%
H7805-1000	24VDC(8-36)	5VDC	1000mA	86%
	12VDC(8-27)	-5VDC	-500mA	82%
H7809-1000	24VDC(13-26)	9VDC	1000mA	90%
	24VDC(16-36)	12VDC	1000mA	93%
H7812-1000	12VDC(8-20)	-12VDC	-300mA	88%
	24VDC(20-36)	15VDC	1000mA	94%
H7815-1000	12VDC(8-18)	-15VDC	-300mA	89%

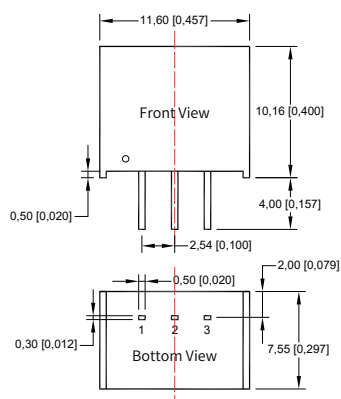
H78-2000

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
H7803-2000	24VDC(6-36)	3.3VDC	0/2000mA	87/83%
H7805-2000	24VDC(8-36)	5VDC	0/2000mA	90/87%
H7809-2000	24VDC(13-36)	9VDC	0/2000mA	93/90%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
H7812-2000	24VDC(16-36)	12VDC	0/2000mA	94/92%
H7815-2000	24VDC(18-36)	15VDC	0/2000mA	95/93%
—	—	—	—	—

Dimension

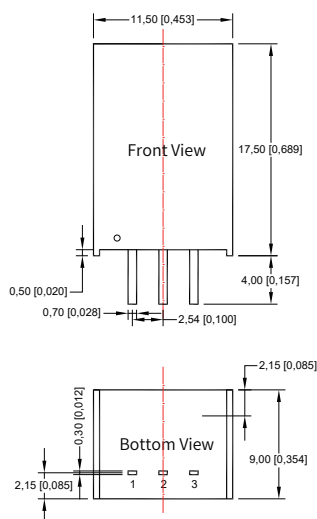
H78-500/1000:11.60x7.55x10.16(mm)



Pin	Function(S)
1	Vin
2	GND
3	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

H78-2000:11.50x9.00x17.50(mm)



Pin	Function(S)
1	Vin
2	GND
3	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

Product features

- Package:SIP6
- Temperature range:-40°C ~ +85°C
- Isolation voltage:1500VDC
- Full load efficiency:83%(typical)
- Equipped with output short circuit protection
- Application:Electricity, instrument, rail transit, etc



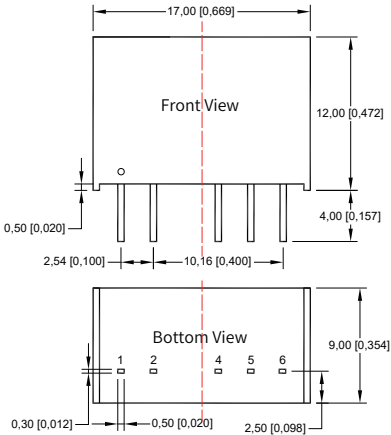
HVLS3(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVLS3-24S03	24 VDC (9-36)	3.3VDC	0/800mA	78%
HVLS3-24S05		5VDC	0/600mA	81%
HVLS3-24S12		12VDC	0/250mA	85%
HVLS3-24S15		15VDC	0/200mA	84%
HVLS3-24D12		±12VDC	0/±130mA	82%
HVLS3-24D15		±15VDC	0/±100mA	82%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVLS3-48S03	48 VDC (18-75)	3.3VDC	0/800mA	77%
HVLS3-48S05		5VDC	0/600mA	80%
HVLS3-48S12		12VDC	0/250mA	83%
HVLS3-48S15		15VDC	0/200mA	83%
HVLS3-48D12		±12VDC	0/±130mA	81%
HVLS3-48D15		±15VDC	0/±100mA	81%

Dimension

HVLS3:17.00x9.00x12.00(mm)



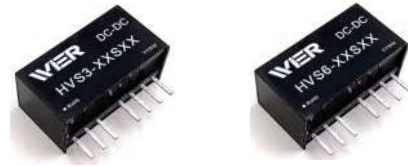
Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
4	+Vo	+Vo
5	No Pin	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

WIDE VOLTAGE
INPUT ISOLATED

Product features

- Package:SIP8
- Temperature range:-40°C ~ +85°C
- Isolation voltage:1500VDC
- Full load efficiency:88%(typical)
- Pin standards:International standard
- Application:Electricity, instrument, rail transit, etc



HVS3(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVS3-12S03	12 VDC (4.5-18)	3.3VDC	0/700mA	74%
HVS3-12S05		5VDC	0/600mA	78%
HVS3-12S12		12VDC	0/250mA	80%
HVS3-12S15		15VDC	0/200mA	80%
HVS3-12D05		±5VDC	0/±300mA	80%
HVS3-12D12		±12VDC	0/±125mA	80%
HVS3-12D15	24 VDC (9-36)	±15VDC	0/±100mA	80%
HVS3-24S03		3.3VDC	0/700mA	75%
HVS3-24S05		5VDC	0/600mA	80%
HVS3-24S12		12VDC	0/250mA	81%
HVS3-24S15		15VDC	0/200mA	81%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVS3-24D05	24 VDC (9-36)	±5VDC	0/±300mA	79%
HVS3-24D12		±12VDC	0/±125mA	80%
HVS3-24D15		±15VDC	0/±100mA	81%
HVS3-48S03	48 VDC (18-75)	3.3VDC	0/700mA	74%
HVS3-48S05		5VDC	0/600mA	76%
HVS3-48S12		12VDC	0/250mA	76%
HVS3-48S15		15VDC	0/200mA	76%
HVS3-48D05		±5VDC	0/±300mA	76%
HVS3-48D12		±12VDC	0/±125mA	76%
HVS3-48D15		±15VDC	0/±100mA	80%
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HVS6(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVS6-12S03	12 VDC (4.5-18)	3.3VDC	0/1500mA	75%
HVS6-12S05		5VDC	0/1200mA	79%
HVS6-12S12		12VDC	0/500mA	83%
HVS6-12S15		15VDC	0/400mA	84%
HVS6-12S24		24VDC	0/250mA	82%
HVS6-12D05		±5VDC	0/±600mA	77%
HVS6-12D12	24 VDC (9-36)	±12VDC	0/±250mA	81%
HVS6-12D15		±15VDC	0/±200mA	83%
HVS6-12D24		±24VDC	0/±125mA	82%
HVS6-24S03		3VDC	0/1350mA	78%
HVS6-24S05		5VDC	0/1200mA	82%
HVS6-24S12		12VDC	0/500mA	86%
HVS6-24S15		15VDC	0/400mA	87%
HVS6-24S24		24VDC	0/250mA	85%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVS6-24D05	24 VDC (9-36)	±5VDC	0/±600mA	80%
HVS6-24D12		±12VDC	0/±250mA	83%
HVS6-24D15		±15VDC	0/±200mA	83%
HVS6-24D24		±24VDC	0/±125mA	82%
HVS6-48S03	48 VDC (18-75)	3.3VDC	0/1500mA	79%
HVS6-48S05		5VDC	0/1200mA	83%
HVS6-48S12		12VDC	0/500mA	87%
HVS6-48S15		15VDC	0/400mA	88%
HVS6-48S24		24VDC	0/250mA	86%
HVS6-48D05		±5VDC	0/±600mA	81%
HVS6-48D12		±12VDC	0/±250mA	84%
HVS6-48D15		±15VDC	0/±200mA	84%
HVS6-48D24		±24VDC	0/±125mA	83%
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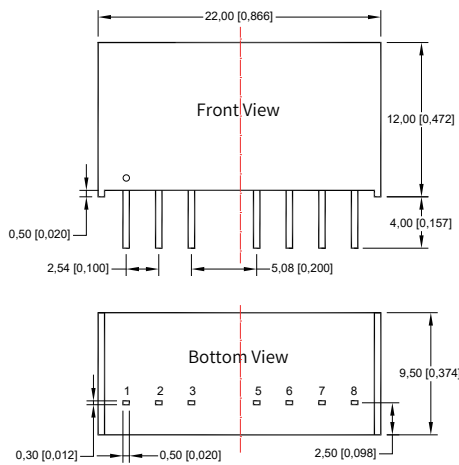
HVS10(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVS10-12S03V1	12 VDC (4.5-18)	3.3VDC	0/2400mA	80%
HVS10-12S05V1		5VDC	0/2000mA	81%
HVS10-12S12V1		12VDC	0/833mA	83%
HVS10-12S15V1		15VDC	0/667mA	84%
HVS10-12S24V1		24VDC	0/416mA	86%
HVS10-12D05V1		±5VDC	0/±1000mA	81%
HVS10-12D12V1	24 VDC (9-36)	±12VDC	0/±416mA	83%
HVS10-12D15V1		±15VDC	0/±333mA	84%
HVS10-24S03V1		3.3VDC	0/2400mA	80%
HVS10-24S05V1		5VDC	0/2000mA	82%
HVS10-24S12V1		12VDC	0/833mA	84%
HVS10-24S15V1		15VDC	0/667mA	84%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVS10-24S24V1	24 VDC (9-36)	24VDC	0/416mA	86%
HVS10-24D05V1		±5VDC	0/±1000mA	81%
HVS10-24D12V1		±12VDC	0/±416mA	83%
HVS10-24D15V1	48 VDC (18-75)	±15VDC	0/±333mA	84%
HVS10-48S03V1		3.3VDC	0/2400mA	83%
HVS10-48S05V1		5VDC	0/2000mA	83%
HVS10-48S12V1		12VDC	0/833mA	84%
HVS10-48S15V1		15VDC	0/667mA	84%
HVS10-48S24V1		24VDC	0/416mA	87%
HVS10-48D05V1		±5VDC	0/±1000mA	83%
HVS10-48D12V1		±12VDC	0/±416mA	84%
HVS10-48D15V1		±15VDC	0/±333mA	84%

Dimension

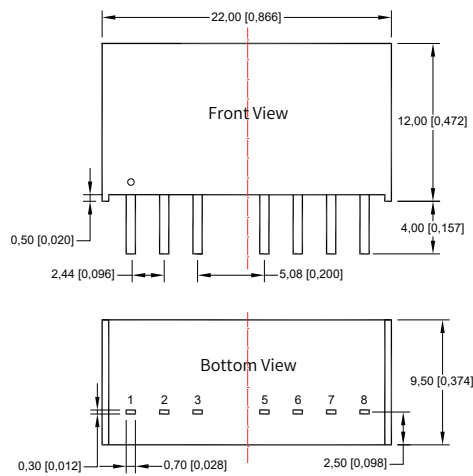
HVS3:22.00x9.50x12.00(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	V _{in}	V _{in}
3	CTRL	CTRL
5	NC	NC
6	+V _o	+V _o
7	-V _o	COM
8	NC	-V _o

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

HVS6/10:22.00x9.50x12.00(mm)



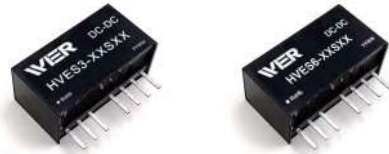
Pin	Function(S)	Function(D)
1	GND	GND
2	V _{in}	V _{in}
3	CTRL	CTRL
5	NC	NC
6	+V _o	+V _o
7	-V _o	COM
8	NC	-V _o

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

WIDE VOLTAGE
INPUT ISOLATED

Product features

- Package:SIP8
- Temperature range:-40°C ~ +85°C
- Isolation voltage:3000VDC
- Full load efficiency:88%(typical)
- Output short-circuit protection mechanism
- Application:Electricity,industrial control,communication,etc



HVES3(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVES3-12S03	12 VDC (4.5-18)	3.3VDC	0/700mA	74%
HVES3-12S05		5VDC	0/600mA	78%
HVES3-12S12		12VDC	0/250mA	80%
HVES3-12S15		15VDC	0/200mA	80%
HVES3-12D05		±5VDC	0/±300mA	80%
HVES3-12D12		±12VDC	0/±125mA	80%
HVES3-12D15		±15VDC	0/±100mA	80%
HVES3-24S03	24 VDC (9-36)	3.3VDC	0/700mA	75%
HVES3-24S05		5VDC	0/600mA	80%
HVES3-24S12		12VDC	0/250mA	81%
HVES3-24S15		15VDC	0/200mA	81%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVES3-24D05	24 VDC (9-36)	±5VDC	0/±300mA	79%
HVES3-24D12		±12VDC	0/±125mA	80%
HVES3-24D15		±15VDC	0/±100mA	81%
HVES3-48S03	48 VDC (18-75)	3.3VDC	0/700mA	74%
HVES3-48S05		5VDC	0/600mA	76%
HVES3-48S12		12VDC	0/250mA	76%
HVES3-48S15		15VDC	0/200mA	76%
HVES3-48D05		±5VDC	0/±300mA	76%
HVES3-48D12		±12VDC	0/±125mA	76%
HVES3-48D15		±15VDC	0/±100mA	80%
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HVES6(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVES6-24S03	24 VDC (9-36)	3VDC	0/13500mA	78%
HVES6-24S05		5VDC	0/1200mA	82%
HVES6-24S12		12VDC	0/500mA	86%
HVES6-24S15		15VDC	0/400mA	87%
HVES6-24S24		24VDC	0/250mA	85%
HVES6-24D05		±5VDC	0/±600mA	80%
HVES6-24D12		±12VDC	0±250mA	83%
HVES6-24D15		±15VDC	0/±200mA	83%
HVES6-24D24		±24VDC	0/±125mA	82%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVES6-48S12	48 VDC (18-75)	12VDC	0/500mA	83%
HVES6-48S15		15VDC	0/400mA	84%
HVES6-48S24		24VDC	0/250mA	82%

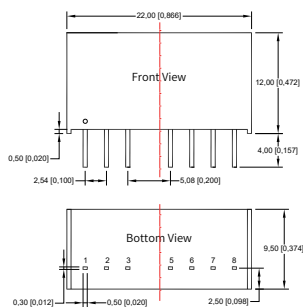
HVES10(Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVES10-24S03V1	24 VDC (9-36)	3.3VDC	0/2400mA	85%
HVES10-24S05V1		5VDC	0/2000mA	88%
HVES10-24S09V1		9VDC	0/1111mA	88%
HVES10-24S12V1		12VDC	0/833mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVES10-24S15V1	24 VDC (9-36)	15VDC	0/667mA	88%
HVES10-24S24V1		24VDC	0/417mA	88%
HVES10-24D15V1		±15VDC	0/±330mA	88%
HVES10-48S05V1	48 VDC(18-75)	5VDC	0/2000mA	87%

Dimension

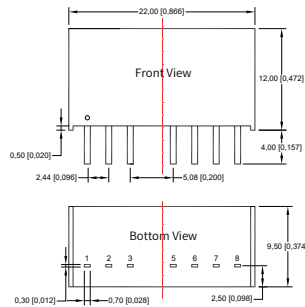
HVES3:22.00x9.50x12.00(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	CTRL	CTRL
5	NC	NC
6	+Vo	+Vo
7	-Vo	COM
8	NC	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

HVES6/10:22.00x9.50x12.00(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	CTRL	CTRL
5	NC	NC
6	+Vo	+Vo
7	-Vo	COM
8	NC	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

Product features

- Package:DIP16
- Temperature range:-40°C ~ +85°C
- Isolation voltage:1500VDC
- Full load efficiency:87%(typical)
- Output short-circuit protection mechanism
- Application:Electricity,industrial control,communication,etc



HVN3 (Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVN3-24S03	24 VDC (9-36)	3.3VDC	0/600mA	73%
HVN3-24S05		5VDC	0/600mA	76%
HVN3-24S12		12VDC	0/250mA	80%
HVN3-24S15		15VDC	0/200mA	80%
HVN3-24S24		24VDC	0/125mA	81%
HVN3-24D05		±5VDC	0/±300mA	76%
HVN3-24D12		±12VDC	0/±125mA	80%
HVN3-24D15		±15VDC	0/±100mA	80%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVN3-48S03	48 VDC (18-75)	3.3VDC	0/600mA	75%
HVN3-48S05		5VDC	0/600mA	78%
HVN3-48S12		12VDC	0/250mA	80%
HVN3-48S15		15VDC	0/200mA	80%
HVN3-48S24		24VDC	0/125mA	81%
HVN3-48D05		±5VDC	0/±300mA	77%
HVN3-48D12		±12VDC	0/±125mA	80%
HVN3-48D15		±15VDC	0/±100mA	80%

HVN6 (Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVN6-24S03	24 VDC (9-36)	3.3VDC	0/1500mA	78%
HVN6-24S05		5VDC	0/1200mA	82%
HVN6-24S12		12VDC	0/500mA	86%
HVN6-24S15		15VDC	0/400mA	86%
HVN6-24S24		24VDC	0/250mA	87%
HVN6-24D05		±5VDC	0/±500mA	82%
HVN6-24D12		±12VDC	0/±250mA	86%
HVN6-24D15		±15VDC	0/±200mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVN6-48S03	48 VDC (18-75)	3.3VDC	0/1500mA	78%
HVN6-48S05		5VDC	0/1200mA	82%
HVN6-48S12		12VDC	0/500mA	86%
HVN6-48S15		15VDC	0/400mA	86%
HVN6-48S24		24VDC	0/250mA	87%
HVN6-48D05		±5VDC	0/±500mA	82%
HVN6-48D12		±12VDC	0/±250mA	87%
HVN6-48D15		±15VDC	0/±200mA	87%

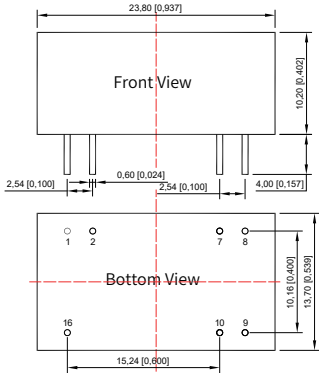
HVN10 (Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVN10-24S03	24 VDC (9-36)	3.3VDC	0/2400mA	80%
HVN10-24S05		5VDC	0/2000mA	83%
HVN10-24S12		12VDC	0/833mA	87%
HVN10-24S15		15VDC	0/666mA	88%
HVN10-24S24		24VDC	0/416mA	88%
HVN10-24D05		±5VDC	0/±1000mA	83%
HVN10-24D12		±12VDC	0/±416mA	87%
HVN10-24D15		±15VDC	0/±333mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVN10-48S03	48 VDC (18-75)	3.3VDC	0/2400mA	80%
HVN10-48S05		5VDC	0/2700mA	83%
HVN10-48S12		12VDC	0/833mA	87%
HVN10-48S15		15VDC	0/666mA	88%
HVN10-48S24		24VDC	0/416mA	88%
HVN10-48D05		±5VDC	0/±1000mA	83%
HVN10-48D12		±12VDC	0/±416mA	87%
HVN10-48D15		±15VDC	0/±333mA	87%

Dimension

HVN3/6/10:23.80x13.70x10.20(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	No pin/CTRL	No pin/CTRL
7	NC	NC
8	NC	COM
9	+Vo	+Vo
10	-Vo	-Vo
16	Vin	Vin

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:DIP24
- Temperature range:-40°C ~ +85°C
- Isolation voltage:1500VDC/6000VDC
- Full load efficiency:88%(typical)
- Output short-circuit protection
- Application:Electricity,industrial control,communication,etc



HVP3 (Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVP3-12S03V3	12 VDC (4.5-18)	3.3VDC	46/750mA	73%
HVP3-12S05V3		5VDC	30/600mA	74%
HVP3-12S12V3		12VDC	12/250mA	76%
HVP3-12S15V3		15VDC	10/200mA	77%
HVP3-12S24V3		24VDC	6/125mA	78%
HVP3-12D05V3		±5VDC	±15/±300mA	76%
HVP3-12D12V3		±12VDC	±6/±125mA	78%
HVP3-12D15V3		±15VDC	±5/±100mA	78%
HVP3-24S03V3	24 VDC (9-36)	3.3VDC	46/750mA	75%
HVP3-24S05V3		5VDC	30/600mA	80%
HVP3-24S12V3		12VDC	12/250mA	81%
HVP3-24S15V3		15VDC	10/200mA	82%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVP3-24S24V3	24 VDC (9-36)	24VDC	6/125mA	82%
HVP3-24D05V3		±5VDC	±15/±300mA	80%
HVP3-24D12V3		±12VDC	±6/±125mA	81%
HVP3-24D15V3		±15VDC	±5/±100mA	82%
HVP3-48S03V3	48 VDC (18-75)	3.3VDC	46/750mA	76%
HVP3-48S05V3		5VDC	30/600mA	79%
HVP3-48S12V3		12VDC	12/250mA	82%
HVP3-48S15V3		15VDC	10/200mA	83%
HVP3-48S24V3		24VDC	6/125mA	81%
HVP3-48D05V3		±5VDC	±15/±300mA	79%
HVP3-48D12V3		±12VDC	±6/±125mA	82%
HVP3-48D15V3		±15VDC	±5/±100mA	83%

HVP6 (Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVP6-12S03V3	12 VDC (4.5-18)	3.3VDC	0/1500mA	78%
HVP6-12S05V3		5VDC	0/1200mA	82%
HVP6-12S12V3		12VDC	0/500mA	86%
HVP6-12S15V3		15VDC	0/400mA	86%
HVP6-12S24V3		24VDC	0/250mA	87%
HVP6-12D05V3		±5VDC	0/±600mA	82%
HVP6-12D12V3		±12VDC	0/±250mA	86%
HVP6-12D15V3		±15VDC	0/±200mA	86%
HVP6-12D24V3	24 VDC (9-36)	±24VDC	0/±125mA	86%
HVP6-24S03V3		3.3VDC	0/1500mA	79%
HVP6-24S05V3		5VDC	0/1200mA	83%
HVP6-24S12V3		12VDC	0/500mA	87%
HVP6-24S15V3		15VDC	0/400mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVP6-24S24V3	24 VDC (9-36)	24VDC	0/250mA	88%
HVP6-24D05V3		±5VDC	0/±600mA	83%
HVP6-24D12V3		±12VDC	0/±250mA	87%
HVP6-24D15V3		±15VDC	0/±200mA	87%
HVP6-24D24V3	48 VDC (18-75)	±24VDC	0/±125mA	87%
HVP6-48S03V3		3.3VDC	0/1500mA	79%
HVP6-48S05V3		5VDC	0/1200mA	83%
HVP6-48S12V3		12VDC	0/500mA	87%
HVP6-48S15V3		15VDC	0/400mA	88%
HVP6-48S24V3		24VDC	0/250mA	88%
HVP6-48D05V3		±5VDC	0/±600mA	83%
HVP6-48D12V3		±12VDC	0/±250mA	87%
HVP6-48D15V3		±15VDC	0/±200mA	88%

HVP10 (Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVP10-12S03V3	12 VDC (4.5-18)	3.3VDC	0/2400mA	81%
HVP10-12S05V3		5VDC	0/2000mA	82%
HVP10-12S12V3		12VDC	0/833mA	84%
HVP10-12S15V3		15VDC	0/667mA	84%
HVP10-12S24V3		24VDC	0/416mA	86%
HVP10-12D05V3		±5VDC	0/±1000mA	83%
HVP10-12D12V3		±12VDC	0/±416mA	86%
HVP10-12D15V3		±15VDC	0/±333mA	87%
HVP10-24S03V3	24 VDC (9-36)	3.3VDC	0/2400mA	87%
HVP10-24S05V3		5VDC	0/2000mA	88%
HVP10-24S12V3		12VDC	0/833mA	87%
HVP10-24S15V3		15VDC	0/667mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVP10-24S24V3	24 VDC (9-36)	24VDC	0/416mA	88%
HVP10-24D05V3		±5VDC	0/±1000mA	83%
HVP10-24D12V3		±12VDC	0/±416mA	87%
HVP10-24D15V3		±15VDC	0/±333mA	87%
HVP10-48S03V3	48 VDC (18-75)	3.3VDC	0/2400mA	86%
HVP10-48S05V3		5VDC	0/2000mA	87%
HVP10-48S12V3		12VDC	0/833mA	87%
HVP10-48S15V3		15VDC	0/667mA	87%
HVP10-48S24V3		24VDC	0/416mA	88%
HVP10-48D05V3		±5VDC	0/±1000mA	83%
HVP10-48D12V3		±12VDC	0/±416mA	87%
HVP10-48D15V3		±15VDC	0/±333mA	87%

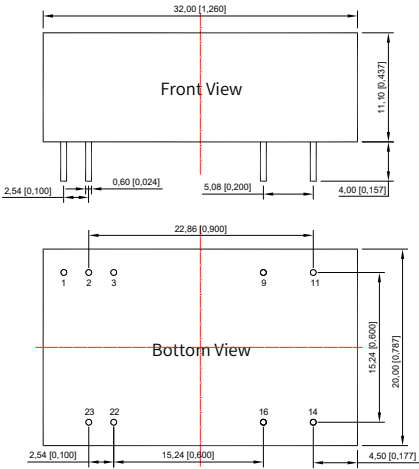
HVGP6 (Isolation voltage:6000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVGP6-24S05V3	24VDC (9-36)	5VDC	0/1200mA	80%
HVGP6-24S06V3		6VDC	0/1000mA	81%
HVGP6-24S09V3		9VDC	0/667mA	83%
HVGP6-24S12V3		12VDC	0/500mA	84%
HVGP6-24S15V3		15VDC	0/400mA	85%
HVGP6-24S18V3		18VDC	0/333mA	85%
HVGP6-24S24V3		24VDC	0/250mA	84%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVGP6-48S05V3	48VDC (18-75)	5VDC	0/1200mA	81%
HVGP6-48S09V3		9VDC	0/667mA	83%
HVGP6-48S12V3		12VDC	0/500mA	84%
HVGP6-48S15V3		15VDC	0/400mA	85%
HVGP6-48S24V3		24VDC	0/250mA	84%

Dimension

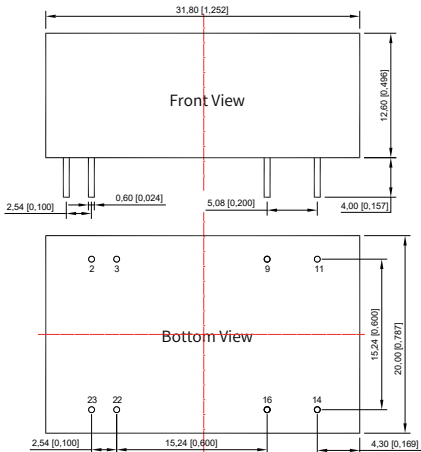
HVP3/6/10:32.00 x 20.00 x 11.10(mm)



Pin	Function(S)	Function(D)
1	No Pin/CTRL	No Pin/CTRL
2	GND	GND
3	GND	GND
9	No pin	COM
11	NC	-Vo
14	+Vo	+Vo
16	-Vo	COM
22	Vin	Vin
23	Vin	Vin

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

HVGP6:31.80 x 20.00 x 12.60(mm)



Pin	Function(D)
1	Vin
11	No Pin
12	-Vo
13	+Vo
15	No Pin
23	GND
24	GND

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

WIDE VOLTAGE
INPUT ISOLATED

Product features

- Package:DIP24
- Temperature range:-40°C ~ +85°C
- Isolation voltage:1500VDC/3000VDC
- Full load efficiency:83%/88%(typical)
- Output short-circuit protection
- Application:Electricity,industrial control,communication,etc



HVPEP3 (Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVPEP3-12S03V3	12 VDC (4.5-18)	3.3VDC	0/909mA	73%
HVPEP3-12S05V3		5VDC	0/600mA	74%
HVPEP3-12S12V3		12VDC	0/250mA	76%
HVPEP3-12S15V3		15VDC	0/200mA	77%
HVPEP3-12S24V3		24VDC	0/125mA	78%
HVPEP3-12D05V3	24 VDC (9-36)	±5VDC	0/±300mA	76%
HVPEP3-12D12V3		±12VDC	0/±125mA	78%
HVPEP3-12D15V3		±15VDC	0/±100mA	78%
HVPEP3-24S03V3		3.3VDC	0/909mA	75%
HVPEP3-24S05V3		5VDC	0/600mA	80%
HVPEP3-24S12V3		12VDC	0/250mA	81%
HVPEP3-24S15V3		15VDC	0/200mA	82%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVPEP3-24S24V3	24 VDC (9-36)	24VDC	0/125mA	82%
HVPEP3-24D05V3		±5VDC	0/±300mA	80%
HVPEP3-24D12V3		±12VDC	0/±125mA	81%
HVPEP3-24D15V3		±15VDC	0/±100mA	82%
HVPEP3-48S03V3	48 VDC (18-75)	3.3VDC	0/909mA	76%
HVPEP3-48S05V3		5VDC	0/600mA	79%
HVPEP3-48S12V3		12VDC	0/250mA	82%
HVPEP3-48S15V3		15VDC	0/200mA	83%
HVPEP3-48S24V3		24VDC	0/125mA	81%
HVPEP3-48D05V3		±5VDC	0/±300mA	80%
HVPEP3-48D12V3		±12VDC	0/±125mA	82%
HVPEP3-48D15V3		±15VDC	0/±100mA	83%

HVPEP6 (Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVPEP6-12S03V3	12 VDC (4.5-18)	3.3VDC	0/1500mA	76%
HVPEP6-12S05V3		5VDC	0/1200mA	80%
HVPEP6-12S12V3		12VDC	0/500mA	82%
HVPEP6-12S15V3		15VDC	0/400mA	83%
HVPEP6-12S24V3		24VDC	0/250mA	86%
HVPEP6-12D05V3	24 VDC (9-36)	±5VDC	0/±600mA	80%
HVPEP6-12D12V3		±12VDC	0/±250mA	84%
HVPEP6-12D15V3		±15VDC	0/±200mA	85%
HVPEP6-12D24V3		±24VDC	0/±125mA	84%
HVPEP6-24S03V3		3.3VDC	0/1500mA	77%
HVPEP6-24S05V3		5VDC	0/1200mA	82%
HVPEP6-24S12V3		12VDC	0/500mA	85%
HVPEP6-24S15V3		15VDC	0/400mA	86%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVPEP6-24S24V3	24 VDC (9-36)	24VDC	0/250mA	86%
HVPEP6-24D05V3		±5VDC	0/±600mA	82%
HVPEP6-24D12V3		±12VDC	0/±250mA	85%
HVPEP6-24D15V3		±15VDC	0/±200mA	88%
HVPEP6-24D24V3		±24VDC	0/±125mA	86%
HVPEP6-48S03V3	48 VDC (18-75)	3.3VDC	0/1500mA	80%
HVPEP6-48S05V3		5VDC	0/1200mA	83%
HVPEP6-48S12V3		12VDC	0/500mA	87%
HVPEP6-48S15V3		15VDC	0/400mA	88%
HVPEP6-48S24V3		24VDC	0/250mA	88%
HVPEP6-48D05V3		±5VDC	0/±600mA	83%
HVPEP6-48D12V3		±12VDC	0/±250mA	87%
HVPEP6-48D15V3		±15VDC	0/±200mA	88%

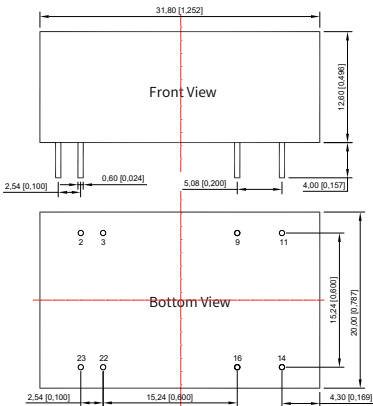
HVPEP10 (Isolation voltage:3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVPEP10-12S03V3	12 VDC (4.5-18)	3.3VDC	0/2400mA	83%
HVPEP10-12S05V3		5VDC	0/2000mA	84%
HVPEP10-12S12V3		12VDC	0/833mA	86%
HVPEP10-12S15V3		15VDC	0/667mA	87%
HVPEP10-12S24V3		24VDC	0/416mA	88%
HVPEP10-12D05V3	24 VDC (9-36)	±5VDC	0/±1000mA	83%
HVPEP10-12D12V3		±12VDC	0/±416mA	86%
HVPEP10-12D15V3		±15VDC	0/±333mA	87%
HVPEP10-24S03V3		3.3VDC	0/2400mA	87%
HVPEP10-24S05V3		5VDC	0/2000mA	88%
HVPEP10-24S12V3		12VDC	0/833mA	87%
HVPEP10-24S15V3		15VDC	0/667mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVPEP10-24S24V3	24 VDC (9-36)	24VDC	0/416mA	88%
HVPEP10-24D05V3		±5VDC	0/±1000mA	83%
HVPEP10-24D12V3		±12VDC	0/±416mA	87%
HVPEP10-24D15V3		±15VDC	0/±333mA	87%
HVPEP10-48S03V3	48 VDC (18-75)	3.3VDC	0/2400mA	86%
HVPEP10-48S05V3		5VDC	0/2000mA	87%
HVPEP10-48S12V3		12VDC	0/833mA	87%
HVPEP10-48S15V3		15VDC	0/667mA	87%
HVPEP10-48S24V3		24VDC	0/416mA	88%
HVPEP10-48D05V3		±5VDC	0/±1000mA	83%
HVPEP10-48D12V3		±12VDC	0/±416mA	87%
HVPEP10-48D15V3		±15VDC	0/±333mA	87%

Dimension

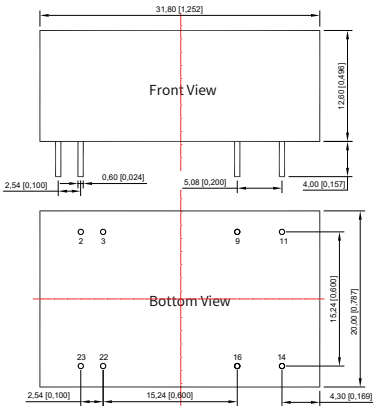
HVEP3:31.80 x 20.00 x 12.60(mm)



Pin	Function(S)	Function(D)
2	-Vin	-Vin
3	-Vin	-Vin
9	No pin	COM
11	NC	-Vo
14	+Vo	+Vout
16	-Vo	COM
22	+Vin	+Vin
23	+Vin	+Vin

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10 [±0.004]
General tolerances: ±0.50 [±0.020]

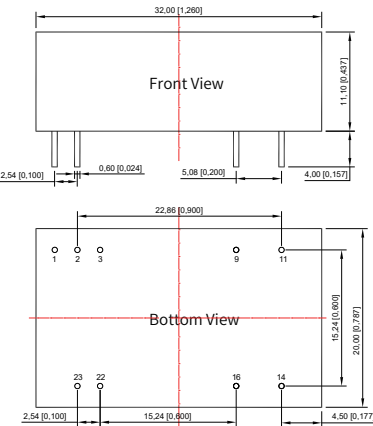
HVEP6:31.80 x 20.00 x 12.60(mm)



Pin	Function(S)	Function(D)
2	GND	GND
3	GND	GND
9	No pin	COM
11	NC	-Vo
14	+Vo	+Vo
16	-Vo	COM
22	Vin	Vin
23	Vin	Vin

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10 [±0.004]
General tolerances: ±0.50 [±0.020]

HVEP10:32.00 x 20.00 x 11.10(mm)



Pin	Function(S)	Function(D)
1	No Pin/CTRL	No Pin/CTRL
2	GND	GND
3	GND	GND
9	No pin	COM
11	NC	-Vo
14	+Vo	+Vo
16	-Vo	COM
22	Vin	Vin
23	Vin	Vin

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10 [±0.004]
General tolerances: ±0.50 [±0.020]

WIDE VOLTAGE
INPUT ISOLATED

Product features

- Package:1X1 inch
- Temperature range:-40°C ~ +85°C
- Isolation voltage:1500VDC
- Full load efficiency:92%(typical)
- Output short-circuit protection
- Application:Instrument, industrial control, etc



Suffix plus "H" means plus heat sink package, plus "CW" for extended wiring package, suffix plus "CR" for extended rail type package

HVQ6(Isolation voltage:1500VDC)

WIDE VOLTAGE
INPUT ISOLATED

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ6-12S03V3	12 VDC (4.5-18)	3.3VDC	0/1500mA	78%
HVQ6-12S05V3		5VDC	0/1200mA	82%
HVQ6-12S12V3		12VDC	0/500mA	86%
HVQ6-12S15V3		15VDC	0/400mA	86%
HVQ6-12S24V3		24VDC	0/250mA	87%
HVQ6-12D05V3		±5VDC	0/±600mA	82%
HVQ6-12D12V3		±12VDC	0/±250mA	86%
HVQ6-12D15V3		±15VDC	0/±200mA	86%
HVQ6-12D24V3	24 VDC (9-36)	±24VDC	0/±125mA	86%
HVQ6-24S03V3		3.3VDC	0/1500mA	79%
HVQ6-24S05V3		5VDC	0/1200mA	83%
HVQ6-24S12V3		12VDC	0/500mA	87%
HVQ6-24S15V3		15VDC	0/400mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ6-24S24V3	24 VDC (9-36)	24VDC	0/250mA	88%
HVQ6-24D05V3		±5VDC	0/±600mA	83%
HVQ6-24D12V3		±12VDC	0/±250mA	87%
HVQ6-24D15V3		±15VDC	0/±200mA	87%
HVQ6-24D24V3	48 VDC (18-75)	±24VDC	0/±125mA	87%
HVQ6-48S03V3		3.3VDC	0/1500mA	79%
HVQ6-48S05V3		5VDC	0/1200mA	83%
HVQ6-48S12V3		12VDC	0/500mA	87%
HVQ6-48S15V3		15VDC	0/400mA	88%
HVQ6-48S24V3		24VDC	0/250mA	88%
HVQ6-48D05V3		±5VDC	0/±600mA	83%
HVQ6-48D12V3		±12VDC	0/±250mA	87%
HVQ6-48D15V3		±15VDC	0/±200mA	88%

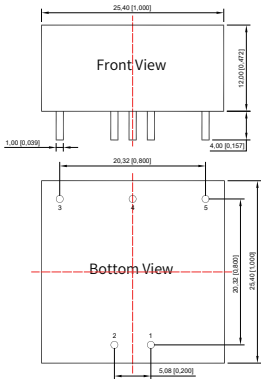
HVQ10(Isolation voltage:1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ10-12S03V3	12 VDC (4.5-18)	3.3VDC	0/2400mA	77%
HVQ10-12S05V3		5VDC	0/2000mA	82%
HVQ10-12S12V3		12VDC	0/833mA	85%
HVQ10-12S15V3		15VDC	0/667mA	85%
HVQ10-12S24V3		24VDC	0/416mA	87%
HVQ10-12D05V3		±5VDC	0/±1000mA	82%
HVQ10-12D12V3		±12VDC	0/±416mA	86%
HVQ10-12D15V3		±15VDC	0/±333mA	86%
HVQ10-12D24V3	24 VDC (9-36)	±24VDC	0/±208mA	86%
HVQ10-24S03V3		3.3VDC	0/2400mA	78%
HVQ10-24S05V3		5VDC	0/2000mA	83%
HVQ10-24S12V3		12VDC	0/833mA	86%
HVQ10-24S15V3		15VDC	0/667mA	86%
HVQ10-24S24V3		24VDC	0/250mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ10-24D05V3	24 VDC (9-36)	±5VDC	0/±1000mA	83%
HVQ10-24D12V3		±12VDC	0/±416mA	87%
HVQ10-24D15V3		±15VDC	0/±333mA	87%
HVQ10-24D24V3		±24VDC	0/±208mA	87%
HVQ10-48S03V3	48 VDC (18-75)	3.3VDC	0/2400mA	79%
HVQ10-48S05V3		5VDC	0/2000mA	83%
HVQ10-48S12V3		12VDC	0/833mA	87%
HVQ10-48S15V3		15VDC	0/667mA	87%
HVQ10-48S24V3		24VDC	0/416mA	88%
HVQ10-48D05V3		±5VDC	0/±1000mA	83%
HVQ10-48D12V3		±12VDC	0/±416mA	87%
HVQ10-48D15V3		±15VDC	0/±333mA	87%
HVQ10-48D24V3		±24VDC	0/±208mA	87%
—	—	—	—	—

Dimension

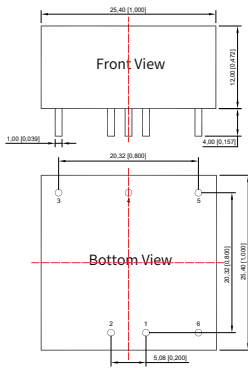
HVQ6:25.40x25.40x12.00(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	No Pin	COM
5	-Vo	-Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

HVQ10:25.40x25.40x12.00(mm)

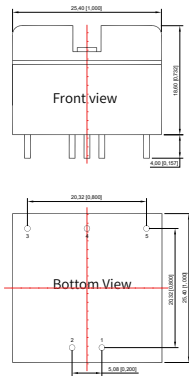


Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	No Pin	COM
5	-Vo	-Vo
6	CTRL	CTRL

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Dimension

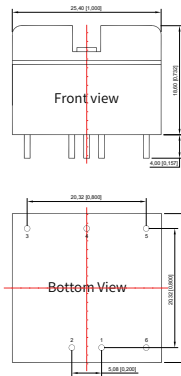
HVQ6-xxS/DxxV3H:25.40x25.40x18.60(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	No Pin	COM
5	-Vo	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

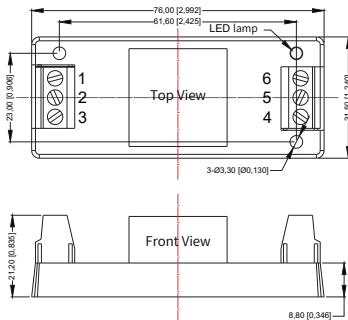
HVQ10-xxS/DxxV3H:25.40x25.40x18.60(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	No Pin	COM
5	-Vo	-Vo
6	CTRL	CTRL

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

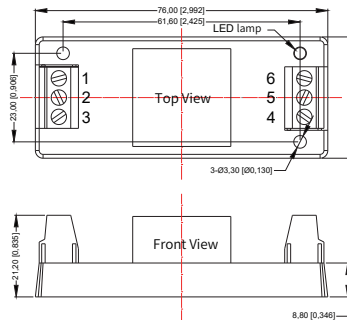
HVQ6-xxS/DxxV3CW:76.00x31.50x21.20(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	No Pin	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00 [\pm 0.039]$

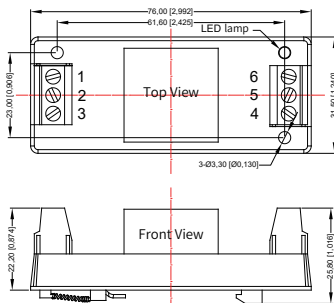
HVQ10-xxS/DxxV3CW:76.00x31.50x21.20(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	NC	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00 [\pm 0.039]$

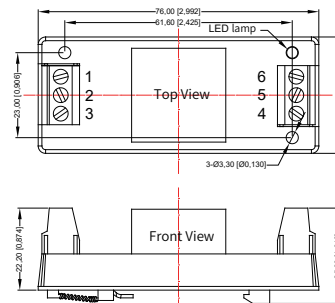
HVQ6-xxS/DxxV3CR:76.00x31.50x25.80(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	No Pin	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Mounting rail: TS35
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00 [\pm 0.039]$

HVQ10-xxS/DxxV3CR:76.00x31.50x25.80(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	NC	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Mounting rail: TS35
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00 [\pm 0.039]$

Product features

- Package: 1X1 inch
- Temperature range: -40°C ~ +85°C
- Isolation voltage: 1500VDC
- Full load efficiency: 92% (typical)
- Output short-circuit protection
- Application: Instrument, industrial control, etc



Suffix plus "H" means plus heat sink package, plus "CW" for extended wiring package, suffix plus "CR" for extended rail type package

HVQ15 (Isolation voltage: 1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ15-24S03V3	24 VDC (9-36)	3.3VDC	0/4000mA	88%
HVQ15-24S05V3		5VDC	0/3000mA	90%
HVQ15-24S12V3		12VDC	0/1250mA	90%
HVQ15-24S15V3		15VDC	0/1000mA	91%
HVQ15-24S24V3		24VDC	0/625mA	91%
HVQ15-24D05V3		±5VDC	0/±1500mA	87%
HVQ15-24D12V3		±12VDC	0/±625mA	90%
HVQ15-24D15V3		±15VDC	0/±500mA	90%
HVQ15-24D24V3		±24VDC	0/±312mA	89%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ15-48S03V3	48 VDC (18-75)	3.3VDC	0/4000mA	88%
HVQ15-48S05V3		5VDC	0/3000mA	90%
HVQ15-48S12V3		12VDC	0/1250mA	91%
HVQ15-48S15V3		15VDC	0/1000mA	91%
HVQ15-48S24V3		24VDC	0/625mA	91%
HVQ15-48D05V3		±5VDC	0/±1500mA	86%
HVQ15-48D12V3		±12VDC	0/±625mA	89%
HVQ15-48D15V3		±15VDC	0/±500mA	89%
HVQ15-48D24V3		±24VDC	0/±312mA	90%

HVQ20 (Isolation voltage: 1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ20-24S03V3	24 VDC (9-36)	3.3VDC	0/5000mA	88%
HVQ20-24S05V3		5VDC	0/4000mA	90%
HVQ20-24S12V3		12VDC	0/1667mA	89%
HVQ20-24S15V3		15VDC	0/1333mA	90%
HVQ20-24S24V3		24VDC	0/834mA	90%
HVQ20-24D05V3		±5VDC	0/±2000mA	86%
HVQ20-24D12V3		±12VDC	0/±834mA	88%
HVQ20-24D15V3		±15VDC	0/±667mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ20-48S03V3	48 VDC (18-75)	3.3VDC	0/5000mA	86%
HVQ20-48S05V3		5VDC	0/4000mA	86%
HVQ20-48S12V3		12VDC	0/1667mA	87%
HVQ20-48S15V3		15VDC	0/1333mA	90%
HVQ20-48S24V3		24VDC	0/834mA	88%
HVQ20-48D05V3		±5VDC	0/±2000mA	86%
HVQ20-48D12V3		±12VDC	0/±834mA	88%
HVQ20-48D15V3		±15VDC	0/±667mA	89%

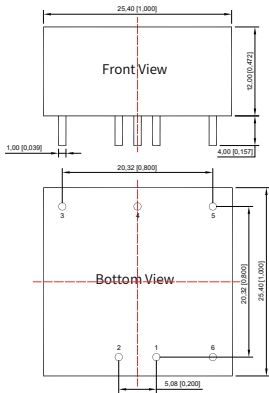
HVQ30/HVQ40 (Isolation voltage: 1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ30-24S03V3	24 VDC (9-36)	3.3VDC	0/6000mA	84%
HVQ30-24S05V3		5VDC	0/6000mA	88%
HVQ30-24S12V3		12VDC	0/2500mA	90%
HVQ30-24S15V3		15VDC	0/2000mA	90%
HVQ30-24S24V3	48 VDC (18-75)	24VDC	0/1250mA	90%
HVQ30-48S03V3		3.3VDC	0/6000mA	83%
HVQ30-48S05V3		5VDC	0/6000mA	88%
HVQ30-48S12V3		12VDC	0/2500mA	88%
HVQ30-48S15V3		15VDC	0/2000mA	88%
HVQ30-48S24V3		24VDC	0/1250mA	89%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVQ40-24S03V3	24 VDC (9-36)	3.3VDC	0/10000mA	89%
HVQ40-24S05V3		5VDC	0/8000mA	91%
HVQ40-24S12V3		12VDC	0/3333mA	91%
HVQ40-24S15V3		15VDC	0/2667mA	92%
HVQ40-24S24V3	48 VDC (18-75)	24VDC	0/1667mA	91%
HVQ40-48S03V3		3.3VDC	0/10000mA	89%
HVQ40-48S05V3		5VDC	0/8000mA	91%
HVQ40-48S12V3		12VDC	0/3333mA	92%
HVQ40-48S15V3		15VDC	0/2667mA	92%
HVQ40-48S24V3		24VDC	0/1667mA	91%

Dimension

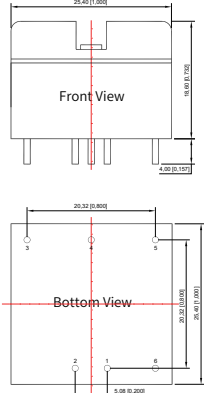
HVQ15/20/30/40:25.40x25.40x12.00(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	Trim	COM
5	-Vo	-Vo
6	CTRL	CTRL

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10(\pm 0.004)$
General tolerances: $\pm 0.50(\pm 0.020)$

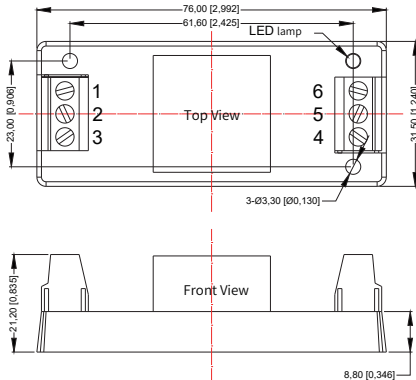
HVQ15/20/30/40-xxS/DxxH:25.40x25.40x18.60(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	Trim	COM
5	-Vo	-Vo
6	CTRL	CTRL

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10(\pm 0.004)$
General tolerances: $\pm 0.50(\pm 0.020)$

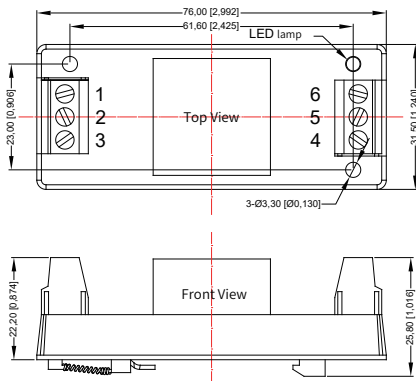
HVQ15/20/30/40-xxS/DxxCW:76.00x31.50x21.20(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	Trim	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00(\pm 0.039)$

HVQ15/20/30/40-xxS/DxxCR:76.00x31.50x25.80(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	NC	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Mounting rail: TS35
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00(\pm 0.039)$

WIDE VOLTAGE
INPUT ISOLATED

Product features

- Package: 2X1 inch
- Temperature range: -40°C ~ +85°C
- Isolation voltage: 1500VDC/3000VDC
- Full load efficiency: 91% (typical)
- Output short-circuit protection
- Application: Instrument, industrial control, etc



Suffix plus "H" means plus heat sink package, plus "CW" for extended wiring package, suffix plus "CR" for extended rail type package

HVR10 (Isolation voltage: 1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR10-24S03	24 VDC (9-36)	3.3VDC	0/2400mA	78%
HVR10-24S05		5VDC	0/2000mA	83%
HVR10-24S12		12VDC	0/833mA	86%
HVR10-24S15		15VDC	0/667mA	86%
HVR10-24S24		24VDC	0/416mA	88%
HVR10-24D05		±5VDC	0/±1000mA	83%
HVR10-24D12		±12VDC	0/±416mA	87%
HVR10-24D15		±15VDC	0/±333mA	87%
HVR10-24D24		±24VDC	0/±208mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR10-48S03	48 VDC (18-75)	3.3VDC	0/2400mA	79%
HVR10-48S05		5VDC	0/2000mA	83%
HVR10-48S12		12VDC	0/833mA	87%
HVR10-48S15		15VDC	0/667mA	87%
HVR10-48S24		24VDC	0/416mA	88%
HVR10-48D05		±5VDC	0/±1000mA	83%
HVR10-48D12		±12VDC	0/±416mA	87%
HVR10-48D15		±15VDC	0/±333mA	87%
HVR10-48D24		±24VDC	0/±208mA	87%

HVR15 (Isolation voltage: 1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR15-24S03	24 VDC (9-36)	3.3VDC	0/4000mA	88%
HVR15-24S05		5VDC	0/3000mA	90%
HVR15-24S12		12VDC	0/1250mA	90%
HVR15-24S15		15VDC	0/1000mA	91%
HVR15-24S24		24VDC	0/625mA	91%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR15-48S03	48 VDC (18-75)	3.3VDC	0/4000mA	88%
HVR15-48S05		5VDC	0/3000mA	90%
HVR15-48S12		12VDC	0/1250mA	90%
HVR15-48S15		15VDC	0/1000mA	91%
HVR15-48S24		24VDC	0/625mA	91%

HVR20 (Isolation voltage: 1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR20-24S03	24 VDC (9-36)	3.3VDC	0/5000mA	86%
HVR20-24S05		5VDC	0/4000mA	88%
HVR20-24S12		12VDC	0/1667mA	89%
HVR20-24S15		15VDC	0/1333mA	90%
HVR20-24S24		24VDC	0/834mA	90%
HVR20-24D05		±5VDC	0/±2000mA	86%
HVR20-24D12		±12VDC	0/±834mA	88%
HVR20-24D15		±15VDC	0/±667mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR20-48S03	48 VDC (18-75)	3.3VDC	0/5000mA	86%
HVR20-48S05		5VDC	0/4000mA	88%
HVR20-48S12		12VDC	0/1667mA	89%
HVR20-48S15		15VDC	0/1333mA	90%
HVR20-48S24		24VDC	0/834mA	90%
HVR20-48D05		±5VDC	0/±2000mA	86%
HVR20-48D12		±12VDC	0/±834mA	88%
HVR20-48D15		±15VDC	0/±667mA	88%

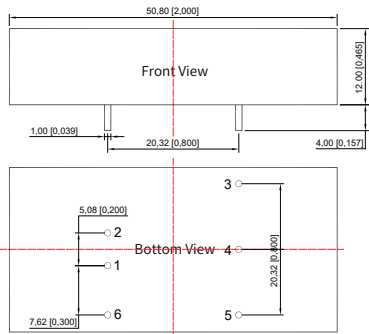
HVER20 (Isolation voltage: 3000VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVER20-24S03	24 VDC (9-36)	3.3VDC	0/5000mA	86%
HVER20-24S05		5VDC	0/4000mA	88%
HVER20-24S12		12VDC	0/1667mA	89%
HVER20-24S15		15VDC	0/1333mA	90%
HVER20-24S24		24VDC	0/834mA	90%
HVER20-24D05		±5VDC	0/±2000mA	86%
HVER20-24D12		±12VDC	0/±834mA	88%
HVER20-24D15		±15VDC	0/±667mA	88%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVER20-48S03	48 VDC (18-75)	3.3VDC	0/5000mA	86%
HVER20-48S05		5VDC	0/4000mA	86%
HVER20-48S12		12VDC	0/1667mA	87%
HVER20-48S15		15VDC	0/1333mA	90%
HVER20-48S24		24VDC	0/834mA	88%
HVER20-48D05		±5VDC	0/±2000mA	86%
HVER20-48D12		±12VDC	0/±834mA	88%
HVER20-48D15		±15VDC	0/±667mA	89%

Dimension

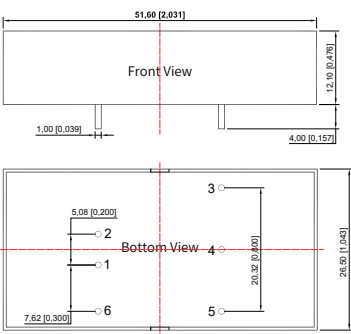
HVR10/15/20:50.80x25.40x12.00(mm)



Pin	Function(S)	HVR20 Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	Trim	COM
5	-Vo	-Vo
6	CTRL	CTRL

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

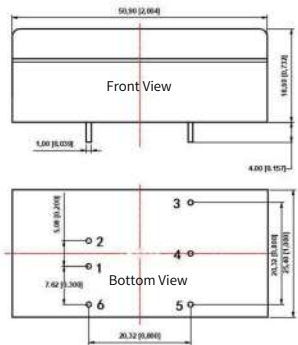
HVR20:51.60x26.50x12.10(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	Trim	COM
5	-Vo	-Vo
6	CTRL	CTRL

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

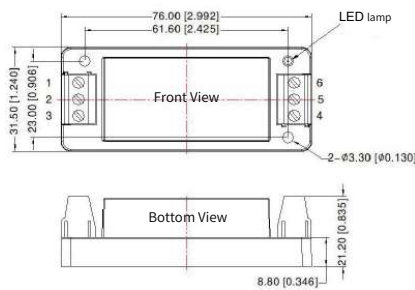
HVR10/15/20-xxS/DxxH:50.90x25.40x18.60(mm)



Pin	Function(S)	Function(D)
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	Trim	COM
5	-Vo	-Vo
6	CTRL	CTRL

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

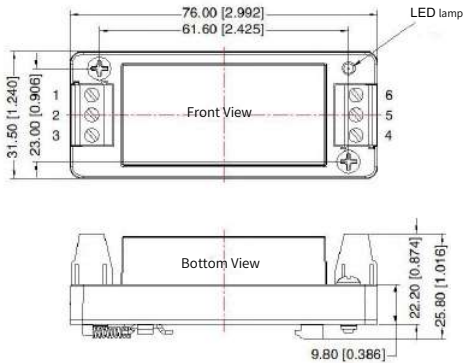
HVR10/15/20-xxS/DxxCW:76.00x31.50x21.20(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	Trim	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00 [\pm 0.039]$

HVR10/15/20-xxS/DxxCR:76.00x31.50x25.80(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	NC	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Mounting rail: TS35
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00 [\pm 0.039]$

WIDE VOLTAGE
INPUT ISOLATED

Product features

- Package: 2X1 inch
- Temperature range: -40°C ~ +105°C
- Isolation voltage: 1500/1600VDC
- Full load efficiency: 93%(typical)
- Output short-circuit protection
- Application: Instrument, industrial control, etc



Suffix plus "H" means plus heat sink package, plus "CW" for extended wiring package, suffix plus "CR" for extended rail type package

HVR30 (Isolation voltage: 1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR30-24S03	24 VDC (9-36)	3.3VDC	0/6000mA	85%
HVR30-24S05		5VDC	0/6000mA	88%
HVR30-24S12		12VDC	0/2500mA	88%
HVR30-24S15		15VDC	0/2000mA	90%
HVR30-24S24		24VDC	0/1250mA	90%
HVR30-24D05		±5VDC	0/±3000mA	86%
HVR30-24D12		±12VDC	0/±1250mA	89%
HVR30-24D15		±15VDC	0/±1000mA	89%
HVR30-24D24		±24VDC	0/±625mA	89%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR30-48S03	48 VDC (18-75)	3.3VDC	0/6000mA	86%
HVR30-48S05		5VDC	0/6000mA	87%
HVR30-48S12		12VDC	0/2500mA	88%
HVR30-48S15		15VDC	0/2000mA	89%
HVR30-48S24		24VDC	0/1250mA	87%
HVR30-48D05		±5VDC	0/±3000mA	86%
HVR30-48D12		±12VDC	0/±1250mA	90%
HVR30-48D15		±15VDC	0/±1000mA	90%
—	—	—	—	—

HVR40 (Isolation voltage: 1500VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR40-24S05	24 VDC (9-36)	5VDC	0/8000mA	86%
HVR40-24S12		12VDC	0/3333mA	88%
HVR40-24S15		15VDC	0/2666mA	90%
HVR40-24S24		15VDC	0/1666mA	90%
HVR40-24D12		±12VDC	0/±1666mA	87%
HVR40-24D15		±15VDC	0/±1333mA	87%
HVR40-24D24		±24VDC	0/±833mA	87%

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR40-48S05	48 VDC (18-75)	5VDC	0/8000mA	86%
HVR40-48S12		12VDC	0/3333mA	88%
HVR40-48S15		15VDC	0/2666mA	90%
HVR40-48S24		24VDC	0/1666mA	90%
HVR40-48D12		±12VDC	0/±1666mA	87%
HVR40-48D15		±15VDC	0/±1333mA	87%
HVR40-48D24		±24VDC	0/±833mA	87%

HVR60 (Isolation voltage: 1600VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR60-24S05	24 VDC (9-36)	5VDC	0/12000mA	92%
HVR60-24S06		6VDC	0/10000mA	92%
HVR60-24S12		12VDC	0/5000mA	93%
HVR60-24S15		15VDC	0/4000mA	93%
HVR60-24S24		24VDC	0/2500mA	93%
—	—	—	—	—

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR60-48S05	48 VDC (18-75)	5VDC	0/12000mA	92%
HVR60-48S06		6VDC	0/10000mA	92%
HVR60-48S12		12VDC	0/5000mA	93%
HVR60-48S15		15VDC	0/4000mA	93%
HVR60-48S24		24VDC	0/2500mA	93%
HVR60-48S28	—	28VDC	0/2143mA	93%

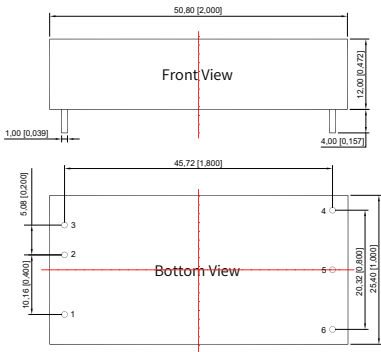
HVR80 (Isolation voltage: 1600VDC)

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR80-24S05	24 VDC (9-36)	5VDC	0/16000mA	92%
HVR80-24S06		6VDC	0/16666mA	92%
HVR80-24S12		12VDC	0/6666mA	93%
HVR80-24S15		15VDC	0/5333mA	93%
HVR80-24S24		24VDC	0/3333mA	93%
—	—	—	—	—

Product model	Input voltage	Output voltage	Output current	Efficiency (Typ.)
HVR80-48S05	48 VDC (18-75)	5VDC	0/16000mA	92%
HVR80-48S06		6VDC	0/16666mA	92%
HVR80-48S12		12VDC	0/6666mA	93%
HVR80-48S15		15VDC	0/5333mA	93%
HVR80-48S24		24VDC	0/3333mA	93%
HVR80-48S28	—	28VDC	0/2857mA	93%

Dimension

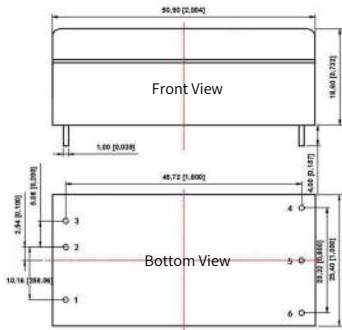
HVR30/40/60/80系列:50.80x25.40x12.00(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	-Vo	COM
6	Trim	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

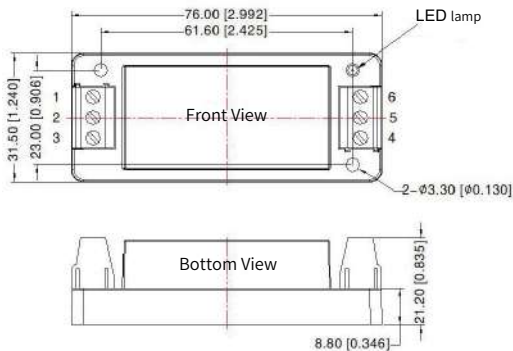
HVR30/40/60/80-xxS/DxxH:50.90x25.40x18.60(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	-Vo	COM
6	Trim	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

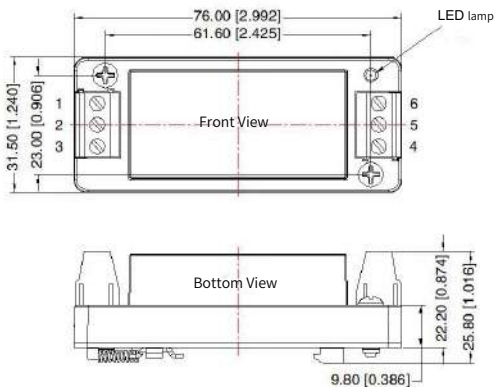
HVR30/40/60/80-xxS/DxxCW:76.00x31.50x21.20(mm)



Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	Trim	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00 [\pm 0.039]$

HVR30/40/60/80-xxS/DxxCR:76.00x31.50x25.80(mm)



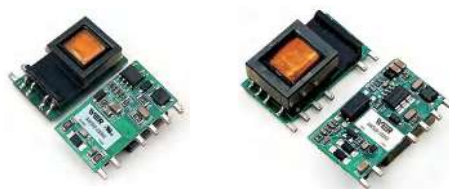
Pin	Function(S)	Function(D)
1	CTRL	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	NC	COM
6	-Vo	-Vo

Note:
Unit: mm[inch]
Mounting rail: TS35
Wire range: 24-12 AWG
Tightening torque: Max 0.4 N · m
General tolerances: $\pm 1.00 [\pm 0.039]$

WIDE VOLTAGE
INPUT ISOLATED

Product features

- Package:SIP
- Temperature range:-40°C ~ +85°C
- Isolation voltage:4000VAC
- Full load efficiency:85%(typical)
- Output short-circuit protection
- Application:Electricity,industrial control,communication,etc



AWS03-05(Isolation voltage:4000VAC)



Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWS03-23S03	85-305VAC	1.98W	3.3V/600mA	—	68%
AWS03-23S05		3W	5V/600mA	—	73%
AWS03-23S12		3W	12V/250mA	—	77%
AWS03-23S15		3W	15V/200mA	—	78%
AWS03-23S24		3W	24V/125mA	—	81%
AWS05-23S03		5W	3.3V/1000mA	—	73%
AWS05-23S05		5W	5V/1000mA	—	76%
AWS05-23S12		5W	12V/420mA	—	78%
AWS05-23S15		5W	15V/340mA	—	79%
AWS05-23S24		5W	24V/210mA	—	81%

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWS03-26S05	90-528VAC	3W	5V/600mA	—	69%
AWS03-26S12		3W	12V/250mA	—	77%
AWS03-26S15		3W	15V/200mA	—	78%
AWS03-26S24		3W	24V/125mA	—	78%
AWS05-26S03		3.3W	3.3V/1000mA	—	70%
AWS05-26S05		5W	5V/1000mA	—	72%
AWS05-26S09		5W	9V/550mA	—	73%
AWS05-26S12		5W	12V/420mA	—	78%
AWS05-26S15		5W	15V/330mA	—	79%
AWS05-26S24		5W	24V/210mA	—	79%

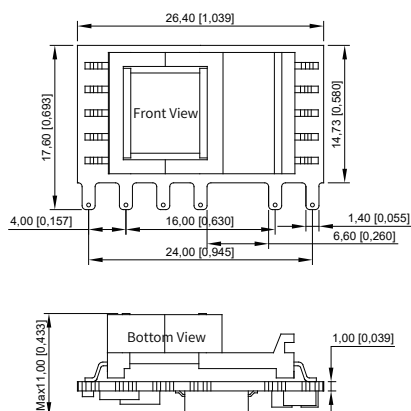
AWS10-15(Isolation voltage:4000VAC)

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWS10-23S03	85-305VAC	6.6W	3.3V/2000mA	—	74%
AWS10-23S05		10W	5V/2000mA	—	78%
AWS10-23S12		10W	12V/840mA	—	83%
AWS10-23S15		10W	15V/670mA	—	83%
AWS10-23S24		10W	24V/420mA	—	83%
AWS15-23S03		9.9W	3.3V/3000mA	—	75%
AWS15-23S05		14W	5V/2800mA	—	78%
AWS15-23S12		15W	12V/1250mA	—	80%
AWS15-23S15		15W	15V/1000mA	—	84%
AWS15-23S24		15W	24V/625mA	—	85%

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWS10-26S05	90-528VAC	10W	5V/2000mA	—	77%
AWS10-26S09		10W	9V/1100mA	—	80%
AWS10-26S12		10W	12V/830mA	—	82%
AWS10-26S15		10W	15V/670mA	—	82%
AWS10-26S24		10W	24V/420mA	—	83%

Dimension

AWS03/05-23S:26.40x17.60x11.10(mm)

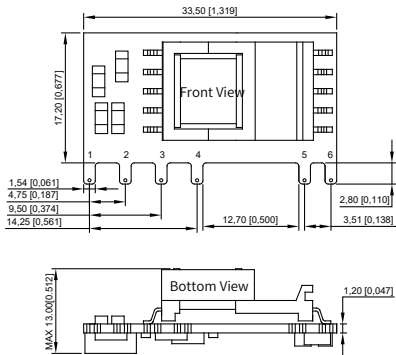


Pin	Function(S)
1	AC(L)
2	AC(N)
3	+V(CAP)
4	-V(CAP)
5	-Vo
6	+Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Dimension

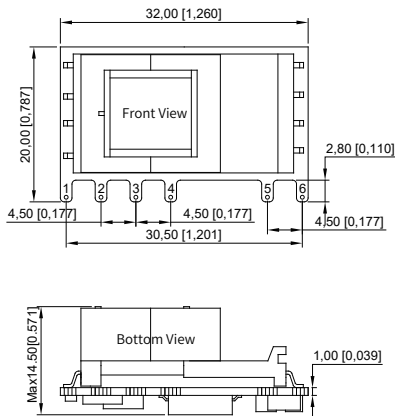
AWS03/05-26S:33.50x17.20x13.00(mm)



Pin	Function(S)
1	AC(L)
2	AC(N)
3	+V(CAP)
4	-V(CAP)
5	-Vo
6	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: ± 0.10 [± 0.004]
General tolerances: ± 0.50 [± 0.020]

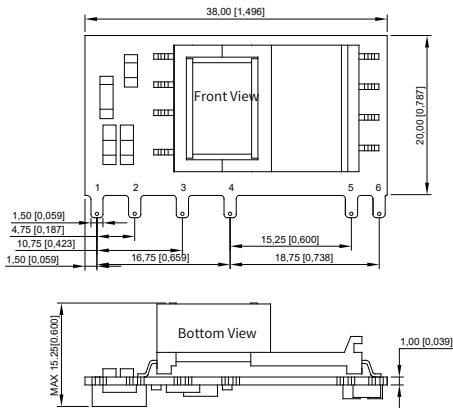
AWS10/15-23S:32.00x20.00x14.50(mm)



Pin	Function(S)
1	AC(L)
2	AC(N)
3	+V(CAP)
4	-V(CAP)
5	-Vo
6	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: ± 0.10 [± 0.004]
General tolerances: ± 0.50 [± 0.020]

AWS10/15-26S:38.00x20.00x15.25(mm)



Pin	Function(S)
1	AC(L)
2	AC(N)
3	+V(CAP)
4	-V(CAP)
5	-Vo
6	+Vo

Note:
Unit: mm[inch]
Pin section tolerances: ± 0.10 [± 0.004]
General tolerances: ± 0.50 [± 0.020]

Product features

- Package:DIP
- Temperature range:-40℃ ~ +85℃
- Isolation voltage:4000VAC
- Full load efficiency:82%(typical)
- Output short circuit and overcurrent protection
- Industrial grade product technology design



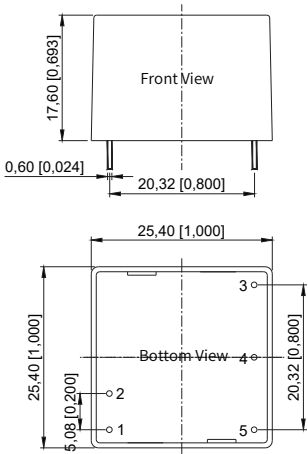
AWD03-05(Isolation voltage:4000VAC)

Product model	Input voltage	Output power	Output current/voltage(V _O /I _O)		Efficiency (Typ.)
AWD03-23S03	85-305VAC	3W	3.3V/900mA	—	71%
AWD03-23S05		3W	5V/600mA	—	75%
AWD03-23S12		3W	12V/250mA	—	78%
AWD03-23S15		3W	15V/200mA	—	79%
AWD03-23S24		3W	24V/125mA	—	79%

Product model	Input voltage	Output power	Output current/voltage(V _O /I _O)		Efficiency (Typ.)
AWD05-23S03	85-305VAC	5W	3.3V/1500mA	—	72%
AWD05-23S05		5W	5V/1000mA	—	78%
AWD05-23S12		5W	12V/450mA	—	81%
AWD05-23S15		5W	15V/300mA	—	82%
AWD05-23S24		5W	24V/208mA	—	82%

Dimension

AWD03/05:25.40x25.40x17.60(mm)



Pin	Function(S)
1	AC(N)
2	AC(L)
3	No Pin
4	-Vo
5	+Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:DIP
- Temperature range:-40°C ~ +85°C
- Isolation voltage:4000VAC
- Full load efficiency:87%(typical)
- Output short circuit and overcurrent protection
- Application:Electricity,industrial control,communication,etc

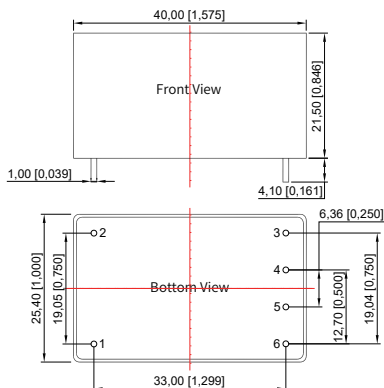


AWD10-20(Isolation voltage:4000VAC)

Product model	Input voltage	Output power	Output current/voltage(V _O /I _O)		Efficiency (Typ.)
AWD10-23S03	85-305VAC	8.6W	3.3V/2600mA	—	71%
AWD10-23S05		10W	5V/2000mA	—	79%
AWD10-23S12		10W	12V/830mA	—	83%
AWD10-23S15		10W	15V/660mA	—	84%
AWD10-23S24		10W	24V/410mA	—	85%
AWD15-23S05		15W	5V/3000mA	—	79%
AWD15-23S09	85-305VAC	15W	9V/1670mA	—	81%
AWD15-23S12		15W	12V/1250mA	—	84%
AWD20-23S05		20W	5V/4000mA	—	85%
AWD20-23S09	85-305VAC	20W	9V/2200mA	—	84%
AWD20-23S12		20W	12V/1670mA	—	87%
AWD20-23S15		20W	15V/1330mA	—	87%
AWD20-23S24		20W	24V/830mA	—	88%

Dimension

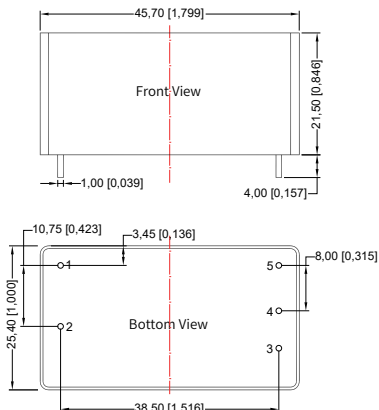
AWD10:40.00x25.40x21.50(mm)



Pin	Function(S)
1	AC(N)
2	AC(L)
3	No Pin
4	+Vo
5	No Pin
6	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

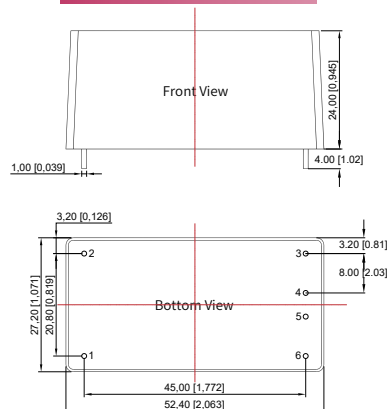
AWD15:47.60x26.80x23.50(mm)



Pin	Function(S)
1	AC(N)
2	AC(L)
3	-Vo
4	+Vo
5	No Pin

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

AWD20:52.40x27.20x24.00(mm)



Pin	Function(S)
1	AC(N)
2	AC(L)
3	-Vo
4	+Vo
5	No Pin
6	No Pin

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

Product features

- Package:DIP
- Temperature range:-25℃ ~ +70℃
- Isolation voltage:3000VAC
- Full load efficiency:87%(typical)
- Output short circuit and overcurrent protection
- Industrial grade product technology design



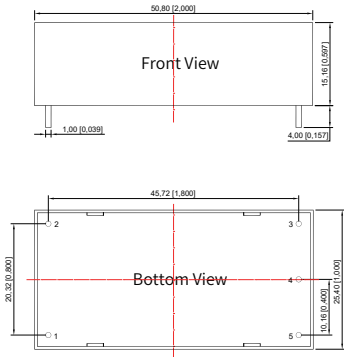
AWDE05-20(Isolation voltage:3000VAC)

Product model	Input voltage	Output power	Output current/voltage(V _O /I _O)		Efficiency (Typ.)
AWDE05-10S05	85-264VAC	5W	5V/1000mA	—	78%
AWDE05-10S09		5W	9V/550mA	—	80%
AWDE05-10S12		5W	12V/420mA	—	80%
AWDE05-10S15		5W	15V/330mA	—	81%
AWDE05-10S24		5W	24V/210mA	—	82%
AWDE15-20S05	85-264VAC	15W	5V/5000mA	—	82%
AWDE15-20S09		15W	9V/1670mA	—	84%
AWDE15-20S12		15W	12V/1200mA	—	86%

Product model	Input voltage	Output power	Output current/voltage(V _O /I _O)		Efficiency (Typ.)
AWDE15-20S15	85-264VAC	15W	15V/1000mA	—	85%
AWDE15-20S24		15W	24V/625mA	—	87%
AWDE20-20S05		20W	5V/4000mA	—	80%
AWDE20-20S09		20W	9V/2200mA	—	80%
AWDE20-20S12		20W	12V/1666mA	—	81%
AWDE20-20S15		20W	15V/1333mA	—	83%
AWDE20-20S24		20W	24V/833mA	—	85%
—	—	—	—	—	—

Dimension

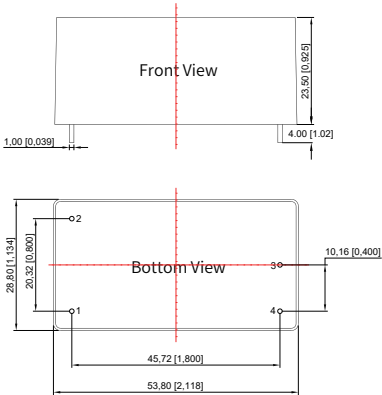
AWDE05:50.80x25.40x15.16(mm)



Pin	Function(S)
1	AC(N)
2	AC(L)
3	No Pin
4	-V _O
5	+V _O

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

AWDE15/20:53.80x28.80x24.00(mm)



Pin	Function(S)
1	AC(N)
2	AC(L)
3	-V _O
4	+V _O

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:DIP
- Temperature range:-40°C ~ +75°C
- Isolation voltage:3000VAC
- Full load efficiency:77%(typical)
- Output short circuit and overcurrent protection
- Application:Instruments, smart homes, etc



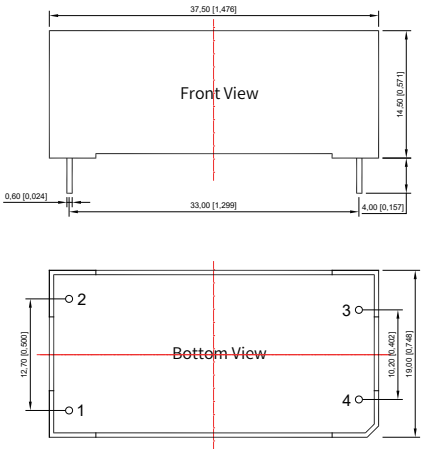
AWDM(Isolation voltage:3000VAC)

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWDM03-13S03	85-265VAC	2W	3.3V/600mA	—	67%
AWDM03-13S05		3W	5V/600mA	—	71%
AWDM03-13S09		3W	9V/333mA	—	73%

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWDM03-13S12	85-265VAC	3W	12V/250mA	—	75%
AWDM03-13S15		3W	15V/200mA	—	75%
AWDM03-13S24		3W	24V/125mA	—	77%

Dimension

AWDM:37.50x19.00x14.50(mm)



Pin	Function(S)
1	AC(N)
2	AC(L)
3	+Vo
4	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

SMALL VOLUME
ISLATION

Product features

- Package:DIP
- Temperature range:-40°C ~ +70°C
- Isolation voltage:3000VAC/4000VAC
- Full load efficiency:85%(typical)
- Output short circuit and overcurrent protection
- Application:Electricity,industrial control,communication,etc



AWH05-10(Isolation voltage:3000VAC)

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWH05-10S03	85-264VAC	5W	3.3V/1515mA	—	70%
AWH05-10S05		5W	5V/1000mA	—	75%
AWH05-10S09		5W	9V/500mA	—	77%
AWH05-10S12		5W	12V/416mA	—	79%
AWH05-10S15		5W	15/333mA	—	80%
AWH05-10S24		5W	24V/208mA	—	82%
AWH05-10D05		5W	+5V/500mA	-5V/500mA	75%
AWH05-10D12		5W	+12V/420mA	-12V/420mA	79%
AWH05-10D15		5W	+15V/160mA	-15V/160mA	79%
AWH05-10D24		5W	+24V/100mA	+24V/100mA	75%

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWH10-10S03	85-264VAC	6.6W	3.3V/2000mA	—	70%
AWH10-10S05		10W	5V/2000mA	—	76%
AWH10-10S09		10W	9V/1100mA	—	78%
AWH10-10S12		10W	12V/900mA	—	80%
AWH10-10S15		10W	15V/700mA	—	81%
AWH10-10S24		10W	24V/405mA	—	82%
AWH10-10D05		10W	+5V/1000mA	-5V/1000mA	76%
AWH10-10D12		10W	+12V/450mA	-12V/450mA	80%
AWH10-10D15		10W	+15V/350mA	-15V/350mA	81%
AWH10-10D24		10W	+24V/200mA	+24V/200mA	84%

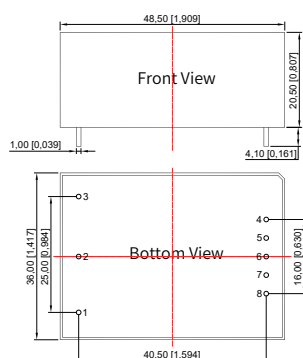
AWH15-20(Isolation voltage:4000VAC)

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWH15-20S03	85-264VAC	9.9W	3.3V/3000mA	—	71%
AWH15-20S05		14W	5V/2800mA	—	75%
AWH15-20S09		15W	9V/1600mA	—	78%
AWH15-20S12		15W	12V/1250mA	—	79%
AWH15-20S15		15W	15/1000mA	—	80%
AWH15-20S24		15W	24V/625mA	—	83%
AWH15-20D05		15W	+5V/1500mA	-5V/1500mA	75%
AWH15-20D12		15W	+12V/650mA	-12V/650mA	80%
AWH15-20D15		15W	+15V/500mA	-15V/500mA	82%
AWH15-20D24		15W	+24V/310mA	+24V/310mA	83%

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWH20-10S03	85-264VAC	13.53W	3.3V/4100mA	—	74%
AWH20-10S05		17.5W	5V/3500mA	—	78%
AWH20-10S09		20W	9V/2100mA	—	80%
AWH20-10S12		20W	12V/1600mA	—	82%
AWH20-10S15		20W	15V/1300mA	—	83%
AWH20-10S24		20W	24V/850mA	—	85%
AWH20-10D05		20W	+5V/2000mA	-5V/2000mA	75%
AWH20-10D12		20W	+12V/400mA	-12V/400mA	75%
AWH20-10D15		20W	+15V/300mA	-15V/300mA	76%
—	—	—	—	—	—

Dimension

AWH05:48.50x36.00x20.50(mm)

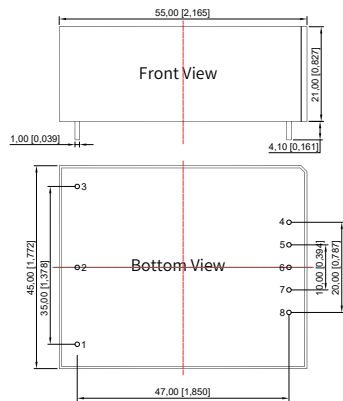


Pin	Function(S)	Function(D)
1	⏏	⏏
2	AC(N)	AC(N)
3	AC(L)	AC(L)
4	+Vo	+Vo
5	No Pin	No Pin
6	No Pin	COM
7	No Pin	No Pin
8	-Vo	-Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Dimension

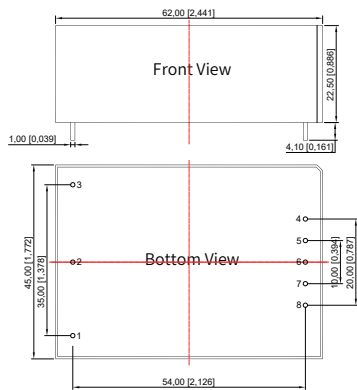
AWH10:55.00x45.00x21.00(mm)



Pin	Function(S)	Function(D)
1	±	±
2	AC(N)	AC(N)
3	AC(L)	AC(L)
4	+Vo	+Vo
5	No Pin	No Pin
6	No Pin	COM
7	No Pin	No Pin
8	-Vo	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

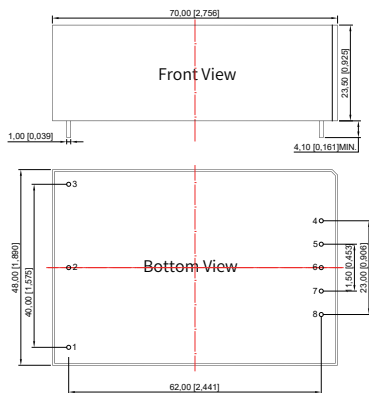
AWH15:62.00x45.00x22.50(mm)



Pin	Function(S)	Function(D)
1	±	±
2	AC(N)	AC(N)
3	AC(L)	AC(L)
4	+Vo	+Vo
5	No Pin	No Pin
6	No Pin	COM
7	No Pin	No Pin
8	-Vo	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

AWH20:70.00x48.00x23.50(mm)

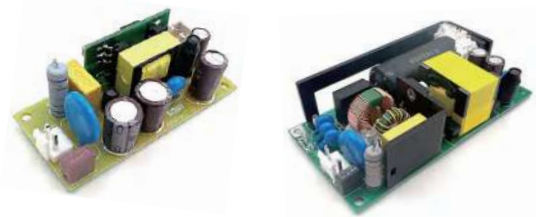


Pin	Function(S)	Function(D)
1	±	±
2	AC(N)	AC(N)
3	AC(L)	AC(L)
4	+Vo	+Vo
5	No Pin	No Pin
6	No Pin	COM
7	No Pin	No Pin
8	-Vo	-Vo

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

Product features

- Package:Open type
- Temperature range:-40°C ~ +85°C
- Isolation voltage:4000VAC
- Full load efficiency:79%/89%(typical)
- Output short circuit and overcurrent protection
- Complies with IEC/EN61558 and IEC/EN60335



AWO10(Isolation voltage:4000VAC)

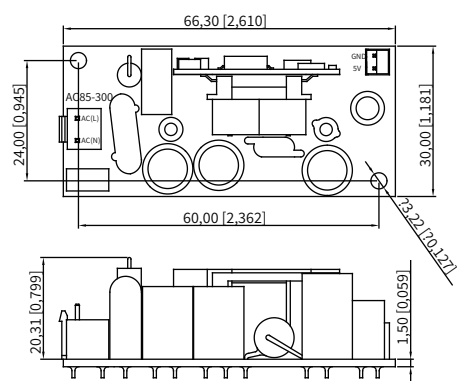
Product model	Input voltage	Output			Full load efficiency (230VAC,Typ)
		Output power	Output voltage	Output current	
AWO10-23S05	85-305VAC	10W	5VDC	2000mA	79%

AWO75(Isolation voltage:4000VAC)

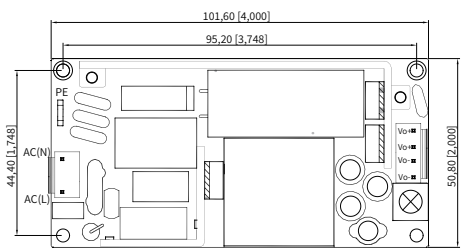
Product model	Input voltage	Output			Full load efficiency (230VAC,Typ)
		Output power	Output voltage	Output current	
AWO75-20S03	85-264VAC	39.6W	3.3VDC	12000mA	82%
AWO75-20S05		60W	5VDC	12000mA	84%
AWO75-20S12		76.8W	12VDC	6400mA	89%
AWO75-20S15		75W	15VDC	5000mA	89%
AWO75-20S24		76.8W	24VDC	3200mA	88%

Dimension

AWO10:66.30x30.00x25.00(mm)



AWO75:101.60 x 50.80 x 27.00(mm)



Product features

- Package: Rail
- Temperature range: -20°C ~ +70°C
- Isolation voltage: 3000VAC
- Full load efficiency: 94% (typical)
- Whole machine protection: short circuit/overload
- Complies with IEC/EN/UL62368-1



AWR100/150(Isolation voltage:3000VAC)

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWR100-10S12	90-264VAC	79.2W	12V/6.6A	—	86%
AWR100-10S24		100.8W	24V/4.2A	—	89%
AWR100-10S48		100.8W	48V/2.1A	—	90%

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWR150-10S12	90-264VAC	120W	12V/10A	—	86%
AWR150-10S24		150W	24V/6.25A	—	89%
AWR150-10S48		150.24W	48V/3.13A	—	91%

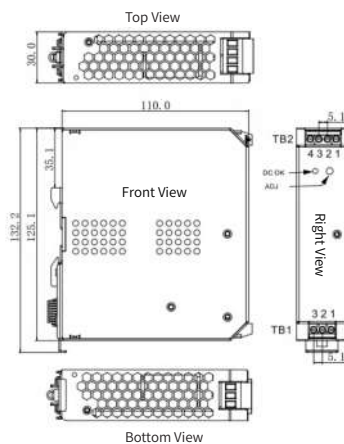
AWR250/500(Isolation voltage:3000VAC)

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWR250-10S12	90-264VAC	216W	12V/18A	—	91.5%
AWR250-10S24		249.6W	24V/10.4A	—	92%
AWR250-10S48		249.6W	48V/5.2A	—	94%

Product model	Input voltage	Output power	Output current/voltage(V0/I0)		Efficiency (Typ.)
AWR500-10S12	90-264VAC	360W	12V/30A	—	91%
AWR500-10S24		499.2W	24V/20.8A	—	93.5%
AWR500-10S48		499.2W	48V/10.4A	—	94%

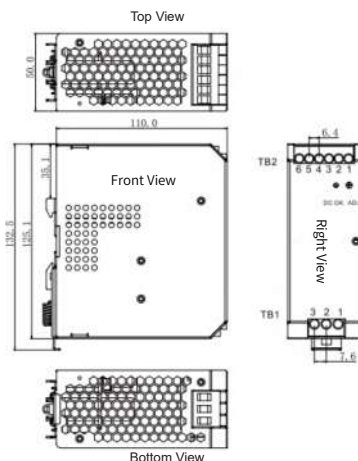
Dimension

AWR100/150:125.10x110.00x30.00(mm)



Pin	Function(TB1)	Pin	Function(TB2)
1	AC(L)	1,2	DC output -V
2	AC(N)	3,4	DC output +V
3	FG		

AWR250/500:125.10x110.00x50.00(mm)



Pin	Function(TB1)	Pin	Function(TB2)
1	AC(L)	1,2	Relay contacts (Optional)
2	AC(N)	3,4	DC output -V
3	FG	5,6	DC output +V

Product features

- Package:1X1 inch
- Temperature range:-40°C ~ +85°C
- Isolation voltage:1500VAC/2250VDC
- Full load efficiency:86%(typical)
- Output short circuit and overcurrent protection
- Complies with EN50155 railway standard

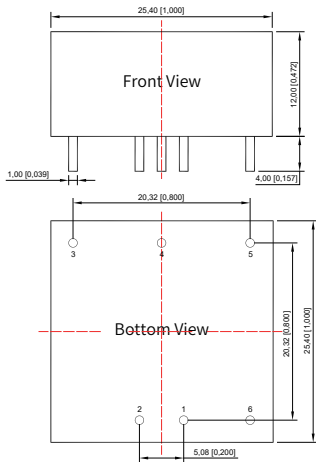


HVQ6-110S(Isolation voltage:1500VAC/2250VDC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HVQ6-110S05	110VDC (40-160)	6W	5VDC	0/1200mA	80%
HVQ6-110S12		6W	12VDC	0/500mA	84%
HVQ6-110S15		6W	15VDC	0/400mA	85%
HVQ6-110S24		6W	24VDC	0/400mA	86%
HVQ6-110D05		6W	±5VDC	0/±600mA	80%
HVQ6-110D12		6W	±12VDC	0/±250mA	84%
HVQ6-110D15		6W	±15VDC	0/±200mA	85%

Dimension

HVQ6-110S:25.4x25.40x12.00(mm)



Pin	Function(S)	Function(D)
1	No pin	CTRL
2	GND	GND
3	Vin	Vin
4	+Vo	+Vo
5	No pin	0V
6	-Vo	-Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:2X1 inch
- Temperature range:-40°C ~ +85°C
- Isolation voltage:2250VDC
- Full load efficiency:85%(typical)
- Output short circuit and overcurrent protection
- Suitable for electronic devices and railway vehicle using 72V, 96V, and 110V battery voltages



HVR10-110S(Isolation voltage:2250VDC)

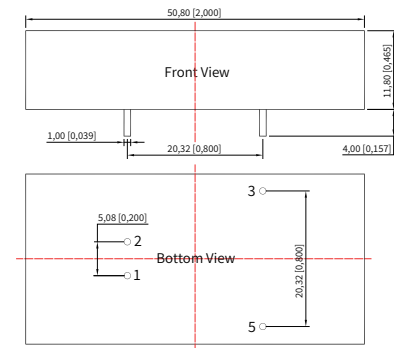
Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HVR10-110S03	110VDC (40-160)	10W	3.3VDC	0/2400mA	76%
HVR10-110S05		10W	5VDC	0/2000mA	80%
HVR10-110S12		10W	12VDC	0/833mA	84%
HVR10-110S15		10W	15VDC	0/667mA	84%
HVR10-110S24		10W	24VDC	0/417mA	85%

HVRQ15-110S(Isolation voltage:2250VDC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HVRQ15-110S03	110VDC (40-160)	15W	3.3VDC	0/4000mA	82%
HVRQ15-110S05		15W	5VDC	0/3000mA	84%
HVRQ15-110S12		15W	12VDC	0/1250mA	84%
HVRQ15-110S15		15W	15VDC	0/1000mA	85%
HVRQ15-110S24		15W	24VDC	0/625mA	85%

Dimension

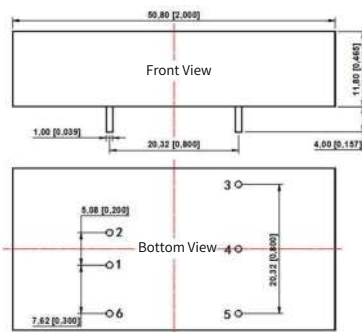
HVR10-110S: 50.80 x25.40 x 12.00 (mm)



Pin	Function(S)
1	GND
2	Vin
3	+Vo
5	-Vo

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

HVRQ15-110S: 50.80 x25.40 x 12.00 (mm)



Pin	Function(S)
1	GND
2	Vin
3	+Vo
4	Trim
5	-Vo
6	CTRL

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:2X1 inch
- Temperature range:-40°C ~ +85°C
- Isolation voltage:2250VDC
- Full load efficiency:87%(typical)
- Output short circuit and overcurrent protection
- Suitable for electronic devices and railway vehicle using 72V, 96V, and 110V battery voltages

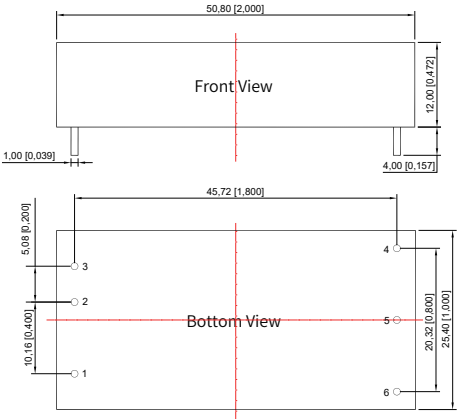


HVR20-110S(Isolation voltage:2250VDC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HVR20-110S03	110VDC (40-160)	20W	3.3VDC	0/5000mA	82%
HVR20-110S05		20W	5VDC	0/4000mA	85%
HVR20-110S12		20W	12VDC	0/1667mA	86%
HVR20-110S15		20W	15VDC	0/1333mA	86%
HVR20-110S24		20W	24VDC	0/833mA	87%

Dimension

HVR20-110S:50.80 x25.40 x 12.00(mm)



Pin	Function(S)
1	CTRL
2	GND
3	Vin
4	+Vo
5	0V
6	Trim

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:2X1 inch
- Temperature range:-40℃ ~ +85℃
- Isolation voltage:3000VDC
- Full load efficiency:91%(typical)
- Output short circuit and overcurrent protection
- Application:Electricity,industrial control,communication,etc

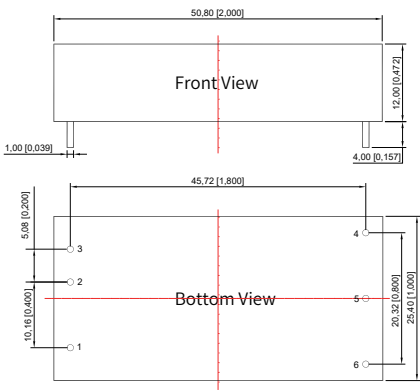


HVER40-110S(Isolation voltage:3000VDC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HVER40-110S03	110VDC (40-160)	40W	3.3VDC	0/10000mA	87%
HVER40-110S05		40W	5VDC	0/8000mA	88%
HVER40-110S12		40W	12VDC	0/3333mA	91%
HVER40-110S15		40W	15VDC	0/2667mA	91%
HVER40-110S24		40W	24VDC	0/1667mA	89%
HVER40-110S48		40W	48VDC	0/833mA	89%

Dimension

HVER40-110S:50.80x25.40x12.00(mm)



Pin	Function(S)
1	CTRL
2	GND
3	Vin
4	+Vo
5	-Vo
6	Trim

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:60.40 x 39.0 x15.00mm
- Temperature range:-40℃ ~ +105℃
- Isolation voltage:3000VAC
- Full load efficiency:91%(typical)
- Output short circuit and overcurrent protection
- Complies with EN50155 railway standard

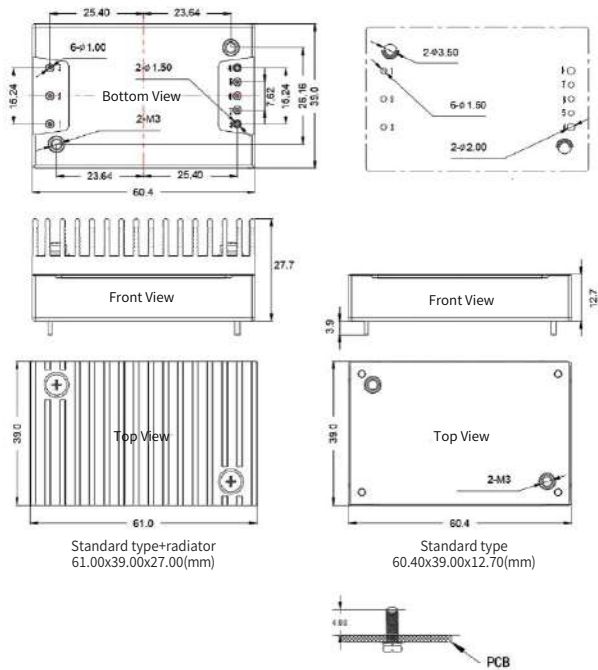


BVQ150-110S24(Isolation voltage:3000VAC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
BVQ150-110S24	110VDC (43-160)	150W	24VDC	6.25A	91%
BVQ150-110S24N		150W	24VDC	6.25A	91%
BVQ150-110S24H		150W	24VDC	6.25A	91%
BVQ150-110S24NH		150W	24VDC	6.25A	91%

Dimension

BVQ150-110S24:



Pin	Function
1(Vin+)	Input positive pole
2(CNT)	Remote control end
3(Vin-)	Input negative pole
4(Vout-)	Output negative pole
5(-S)	Remote compensation negative electrode
6(TRIM)	Output voltage fine-tuning
7(+S)	Remote compensation positive pole
8(Vout+)	Output positive pole

Note:
Unit: mm[inch]
1,2,3,5,6,7Pin diameter 1.00
4,8Pin diameter 1.50
tolerance:X.XX±0.10
X.XX±0.50
Tightening torque for safety hole: Max0.4N * m

产品特性

- Package:DIP
- Temperature range:-40℃ ~ +70℃
- Isolation voltage:4000VAC/4000VDC
- Full load efficiency:75%/81%(typical)
- utput short circuit and overcurrent protection
- Application:Energy storage systems,photovoltaic power generation,etc



HPV05-27S(Isolation voltage:4000VAC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HPV05-27S05	400VDC (200-670)	5W	5VDC	1000A	75%

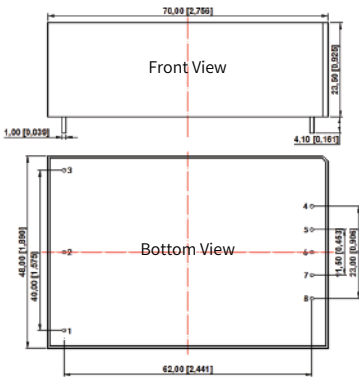
HPV10 (15) -19S(Isolation voltage:4000VDC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HPV10-19S05	800VDC (260-1500)	10W	5VDC	2000A	75%
HPV10-19S12		10W	12VDC	830A	80%
HPV10-19S15		10W	15VDC	670A	80%
HPV15-19S24		15W	24VDC	625A	81%

Dimension

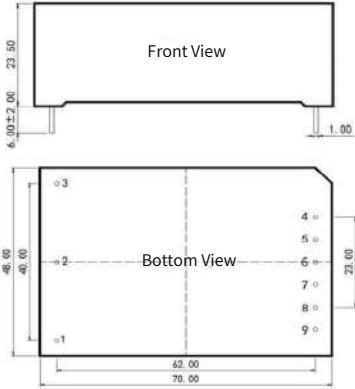
HPV05-27S:70.00x48.00x23.50 (mm)

HPV10 (15) -19S:70.00x48.00x23.50 (mm)



Pin	Function
2	AC (N)
3	AC (L)
4	+Vo
8	-Vo
1,5, 6,7	No Pin

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]



Pin	Function
1	-Vin
3	+Vin
5	-Vo
8	+Vo
2,4,6, 7,9	No Pin

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:109.0x58.5x30.0mm
- Temperature range:-40°C ~ +70°C
- Isolation voltage:4000VDC
- Ultra wide voltage input:80-750VDC
- Equipped with output short circuit and overcurrent protection
- Application:Photovoltaics, new energy



HPV40-27S(Isolation voltage:4000VDC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HPV40-27S12	600VDC (200-1200)	40W	12VDC	3.33A	83%
HPV40-27S15		40W	15VDC	2.67A	84%
HPV40-27S24		40W	24VDC	1.67A	84%

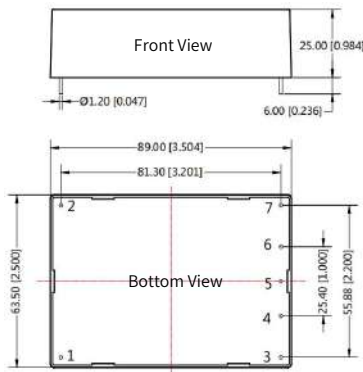
HPV50-25S(Isolation voltage:4000VDC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HPV50-25S12	80-750VDC	50W	12VDC	4170mA	92%
HPV50-25S24	80-750VDC	50W	24VDC	2083mA	92%

Dimension

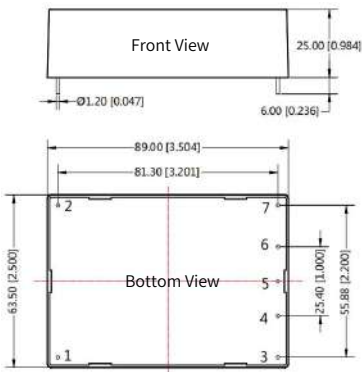
HPV40-27S: 89.00x63.50x25.00 (mm)

HPV50-25S: 89.00x63.50x25.00 (mm)



Pin	Function(S)
1	-Vin
2	+Vin
3	+Vo
4	NoPin
5	-Vo
6	NoPin
7	NC

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]



Pin	Function(S)
1	-Vin
2	+Vin
3	+Vo
4	NoPin
5	-Vo
6	NoPin
7	NC

Note:
Unit: mm[inch]
Pin section tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]

Product features

- Package:168.00 x 100.00 x 42.50mm
- Temperature range:-40℃ ~ +70℃
- Isolation voltage:4000VDC
- Full load efficiency:89%(typical)
- Equipped with anti reverse connection protection
- Application:Photovoltaic tracking system, combiner box, energy storage system, etc

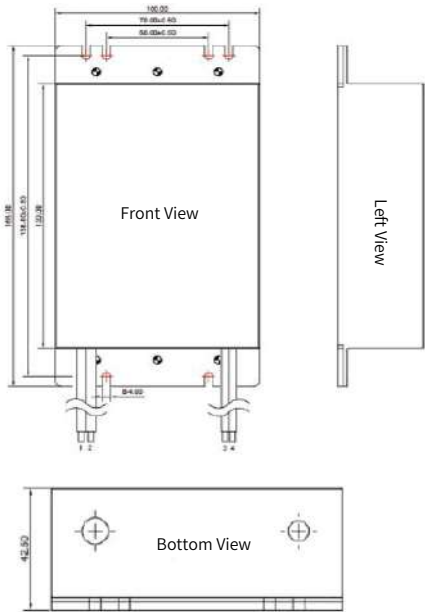


HPV150-19S(Isolation voltage:4000VDC)

Product model	Input voltage	Output			Full load efficiency% (Typ)
		Output power	Output voltage	Output current	
HPV150-19S15	900VDC (300-1500)	150W	15VDC	10A	85%
HPV150-19S24		150W	24VDC	6.25A	87%
HPV150-19S28		150W	28.5VDC	5.26A	88%
HPV150-19S32		150W	32VDC	4.69mA	89%

Dimension

HPV150-19S:168.00x100.00x42.50(mm)



Pin	Function
1	Black,-Vin
2	Red,+Vin
3	Black,-Vout
4	Red,+Vout

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Package:170.00 x 107.00 x 52.00mm
- Temperature range:-40°C ~ +70°C
- Isolation voltage:4000VAC/1分钟
- Full load efficiency:89%(typical)
- Equipped with anti reverse connection protection
- Application:Photovoltaic tracking system, coal mine monitoring and security system

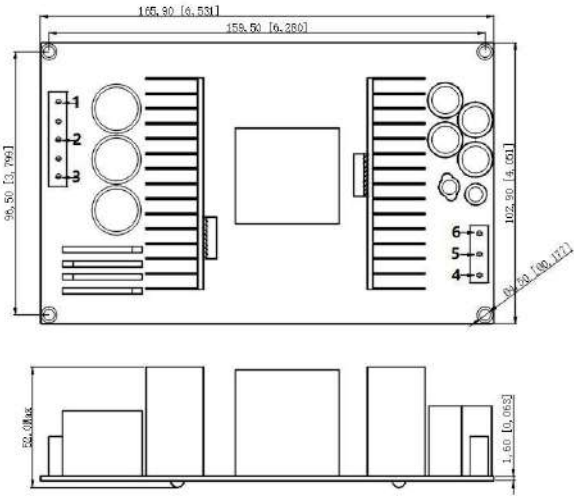


HPV120-27S(Isolation voltage:4000VAC)

Product model	Input voltage	Output			Full load efficiency (Typ.%)
		Output power	Output voltage	Output current	
HPV120-27S24	330VAC (85-900)	120W	24VDC	5A	89%

外观尺寸

HPV120-27S:170.00 x 107.00 x 52.00(mm)



Pin	Define	Function
1	PE	Input ground wire
2	AC (L)	Enter the live line
3	AC (N)	Input neutral line
4	Trim	Output voltage adjustment terminal
5	-Vo	Output negative pole
6	+Vo	Output positive pole

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10[\pm 0.004]$
General tolerances: $\pm 0.50[\pm 0.020]$

Product features

- Package::Half brick
- Temperature range:-40°C ~ +85°C
- Output power:150W
- Full load efficiency:88%(typical)
- Overvoltage protection and short circuit protection
- Application:Electricity,industrial control,communication,etc

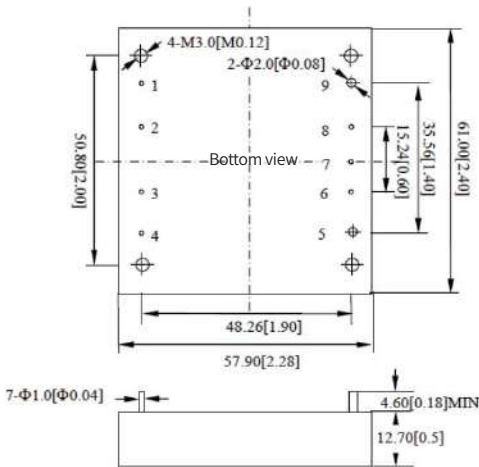


HWW150选型表

Product model	Input voltage	Output			Full load efficiency% (Typ)
		Output power	Output voltage	Output current	
HWW150-48S05	48VDC (36-72)	150W	5.05VDC	3000mA	90%
HWW150-48S12		150W	12VDC	1250mA	90%
HWW150-110S12	110VDC (72-144)	150W	12VDC	1250mA	90%
HWW150-110S48		150W	48VDC	3100mA	88%

Dimension

HWW150:61.00x57.90x12.70(mm)



Pin	Function(S)
1	Vin+
2	CNT
3	CASE
4	Vin-
5	GND
6	-S
7	TRIM
8	+S
9	Vo1+

Note:
Unit: mm[inch]
Pin section tolerances:±0.10[±0.004]
General tolerances:±0.50[±0.020]

Product features

- Complies with ISO 11898-2
- Node not powered on does not affect the bus
- A single network can connect up to 110 nodes
- The shell and sealing material comply with UL94 V-0
- Has lower electromagnetic radiation
- Good high and low temperature characteristics

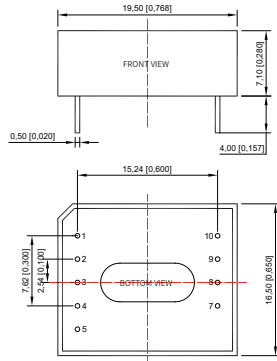


选型表

Product type	Model	Characteristics	Work voltage	Baud rate	Isolation voltage	Nodes	Size
RS485	RSM485ECHT	SINGLE PATH ISOLATION, COMPLETELY FAIL SAFE	4.75V~5.25V	500K	2500VDC	256	19.50x16.50x7.10
	RSM3485ECHT	SINGLE PATH ISOLATION, COMPLETELY FAIL SAFE	3.15V~3.45V	500K	2500VDC	256	19.50x16.50x7.10
	RSM485CHT	SINGLE PATH ISOLATION, COMPLETELY FAIL SAFE	4.75V~5.25V	115.2K	2500VDC	64	19.50x16.50x7.10
	RSM3485CHT	SINGLE PATH ISOLATION, COMPLETELY FAIL SAFE	3.15V~3.45V	115.2K	2500VDC	64	19.50x16.50x7.10
	RSM485PCHT	SINGLE PATH ISOLATION, COMPLETELY FAIL SAFE	4.75V~5.25V	115.2K	2500VDC	64	19.50x16.50x7.10
	RSM3485PCHT	SINGLE PATH ISOLATION, COMPLETELY FAIL SAFE	3.15V~3.45V	115.2K	2500VDC	64	19.50x16.50x7.10
	RSM485PCT	SINGLE PATH ISOLATION, COMPLETELY FAIL SAFE	4.75V~5.25V	9.6k	2500VDC	64	19.50x16.50x7.10
	RSM3485PCT	SINGLE PATH ISOLATION, COMPLETELY FAIL SAFE	3.15V~3.45V	9.6k	2500VDC	64	19.50x16.50x7.10
	RSM485PHT	SINGLE PATH ISOLATION, AUTOMATIC DIRECTIONAL	4.75V~5.25V	500k	2500VDC	128	19.50x16.50x7.10
	RSM3485PHT	SINGLE PATH ISOLATION, AUTOMATIC DIRECTIONAL	3.15V~3.45V	500k	2500VDC	128	19.50x16.50x7.10
	RSM485IDHT	DUAL ISOLATION, AUTOMATIC DIRECTIONAL	4.75V~5.25V	500k	2500VDC	128	19.50x16.50x7.10
	RSM3485IDHT	DUAL ISOLATION, AUTOMATIC DIRECTIONAL	3.15V~3.45V	500k	2500VDC	128	19.50x16.50x7.10
CAN	CTM1051KT	INDUSTRIAL GRADE SINGLE CIRCUIT ISOLATION	4.75V~5.25V	40k~1M	2500VDC	110	19.50x16.50x7.10
	CTM1051KAT	INDUSTRIAL GRADE SINGLE CIRCUIT ISOLATION	3.15V~3.45V	40k~1M	2500VDC	110	19.50x16.50x7.10
	CTM1051MG	INDUSTRIAL GRADE SINGLE CIRCUIT ISOLATION	4.75V~5.25V	40k~5M	2500VDC	110	12.70x10.16x7.70
	CTM1051AMG	INDUSTRIAL GRADE SINGLE CIRCUIT ISOLATION	3.15V~3.45V	40k~5M	2500VDC	110	12.70x10.16x7.70
	CTM8251KT	INDUSTRIAL GRADE SINGLE CIRCUIT ISOLATION	4.75V~5.25V	5k~1M	2500VDC	110	19.50x16.50x7.10
	CTM8251KAT	INDUSTRIAL GRADE SINGLE CIRCUIT ISOLATION	3.15V~3.45V	5k~1M	2500VDC	110	19.50x16.50x7.10
	CTM8251KD	DUAL PATH DUAL ISOLATION	4.75V~5.25V	5k~1M	2500VDC	110	19.50x16.50x7.10
	CTM8251KAD	DUAL PATH DUAL ISOLATION	3.15V~3.45V	5k~1M	2500VDC	110	19.50x16.50x7.10
RS422	RSM422	SINGLE PATH ISOLATION	4.75V~5.25V	10M	2500VDC	256	19.50x16.50x7.10
	RSM3422	SINGLE PATH ISOLATION	3.15V~3.45V	10M	2500VDC	256	19.50x16.50x7.10
RS232	RSM232	SINGLE PATH ISOLATION	3.15V~5.25V	250k	2500VDC	2	19.50x16.50x7.10
	RSM232D	SINGLE PATH ISOLATION	3.15V~5.25V	250k	2500VDC	2	19.50x16.50x7.10

Dimension

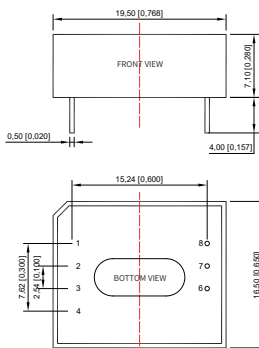
RSM485ECHT/RSM485CHT/RSM485PCHT/RSM485PC/
RSM485PHT:19.50x16.50x7.10(mm)



Pin	Name	Function
1	VCC	Input positive
2	GND	Input ground
3	TXD1	Sending
4	RXD1	Receiving
5	CON	Control
7	VO	Isolation output positive
8	B	B
9	A	A
10	GRND	Isolation output ground

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

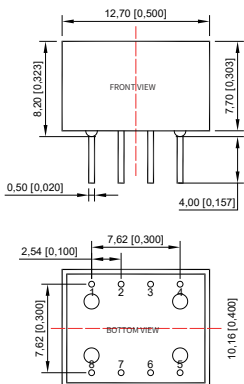
RSM232/RSM1051KT/RSM8251KT:19.50x16.50x7.10(mm)



型号	RS232		RSM1051KT/RSM825KT	
Pin	Name	Function	Name	Function
1	VCC	Input positive	VCC	Input positive
2	GND	Input ground	GND	Input ground
3	TXD	Sending	TXD	Sending
4	RXD	Receiving	RXD	Receiving
6	RIN	Receiver input	CANH	CANH
7	TOUT	Driver output	CANL	CANL
8	GRND	Isolation output ground	CAND	Isolation output ground

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

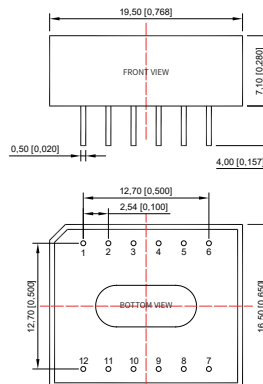
CTM1051MG:12.70x10.16x7.70(mm)



Pin	Name	Function
1	RXD	Receiving(Output)
2	TXD	Sending(Input)
3	GND	Input ground
4	VCC	Input positive
5	CANG	Isolation output ground
6	CANL	CANL
7	CANH	CANH

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

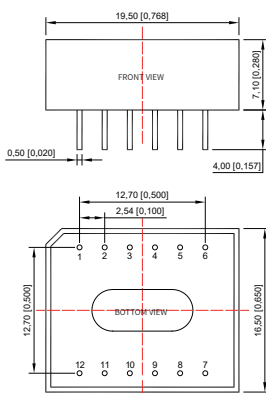
RSM232D:19.50x16.50x7.10(mm)



Pin	Name	Function
1	VCC	Input positive
2	GND	Input ground
3	TXD1	Sending1
4	RXD1	Receiving1
5	TXD2	Sending2
6	RXD2	Receiving2
7	R2IN	Receiver input2
8	T2OUT	Driver output2
9	R1IN	Receiver input1
10	T1OUT	Driver output1
11	RGND	Isolation output ground
12		NO PIN

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

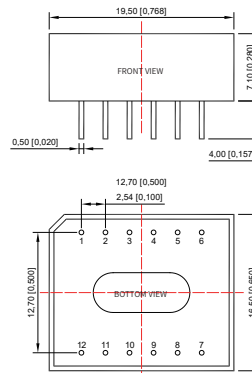
RSM422:19.50x16.50x7.10(mm)



Pin	Name	Function
1	VCC	Input positive
2	GND	Input ground
3	TXD	Sending(Input)
4	RXD	Receiving(Output)
5	DE	Sending
6	RE	Receiving
7	RGND	Isolation output ground
8	Y	Y
9	Z	Z
10	B	B
11	A	A
12	VO	Isolation output positive

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

RSM8251KD:19.50x16.50x7.10(mm)



Pin	Name	Function
1	VCC	Input positive
2	GND	Input ground
3	RXD1	Receiving1(Output)
4	TXD1	Sending1(Input)
5	RXD2	Receiving2(Output)
6	TXD2	Sending2(Input)
7	CANH2	CANH2
8	CANL2	CANL2
9	CANG2	Isolation output ground2
10	CANH1	CANH1
11	CANL1	CANL1
12	RGND1	Isolation output ground1

Note:
Unit: mm[inch]
Pin section tolerances: $\pm 0.10 [\pm 0.004]$
General tolerances: $\pm 0.50 [\pm 0.020]$

Product Safety Precautions

● PURPOSE

Prevent potential safety issues that customers may encounter during the use of the product.

● APPLICABLE SCOPE

Module power supply by WIER Guangdong Science&Technology Co., Ltd.

● CONTENT

Customers should ensure that they carefully read all the content of the relevant models in the Product Technical Manual before designing, selecting, and mass production, and follow the Design and use the product according to the requirements in the Product Technical Manual.

IDENTIFICATION DEMAND

- ★ At fuses, protective devices, and switches, the specifications and symbols must be clearly marked according to safety regulations, and warning signs must be affixed for dangerous high voltage and high temperature that can be reached.

HOT PLUG REQUIREMENTS

- ★ When the product does not have a hot swappable function and cannot be plugged or unplugged with power, the power must be cut off before plugging or unplugging.

INSTRUCTIONS FOR USE

- ★ Please do not modify, disassemble the product, or remove the casing to avoid electric shock or other damage.
- ★ Improper use may cause short circuits, electric shock, damage, and other phenomena.

WARNING SIGNS

- ★ No need to touch the heat sink and casing, their temperature is very high.
- ★ Do not touch the input terminals and internal components of the product, as there may be high temperatures and pressures.
- ★ When the product is in operation, keep your hands and face away from the product to avoid injury caused by product abnormalities.

INPUT ENERGY REQUIREMENTS

- ★ When the input capacitance is large, discharge circuits (such as resistors) can be added to meet safety regulations.
- ★ The input power voltage should meet the requirements of the Product Technical Manual or Technical Specification.

INPUT, OUTPUT AND METAL CASE (OR GROUND) ISOLATION DEMAND

- ★ The electrical clearance and creepage distance between the input and output lines can meet safety regulations.
- ★ The electrical clearance and creepage distance between the input, output, and metal casing (or ground) can meet safety regulations.

MATERIAL REQUIREMENTS

- ★ Input and output wires should be distinguished by color to avoid polarity reversal.
- ★ The grounding terminal and protective ground should be well connected, and the grounding resistance must meet safety regulations.
- ★ When using, electric shock and lightning protection are required. When the product does not have electric shock and lightning protection

When encountering problems during use, please contact us

TEL:0756-3620097

E-mail:fae@wierpower.com

HIGH RELIABILITY MODULE POWER SUPPLY SUPPLIER

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WEBSITE



ACCOUNT



POWER MODULE PRODUCT CATALOGUE [2025]