

V48SH Series

FEATURES

Electrical

- Efficiency up to 91.5%
- OTP, Input UVLO, Output OCP, OVP
- Isolation and basic insulation
- Pre-biased startup
- No minimum load required
- Remote ON/OFF
- Remote sense

Safety & Certificate

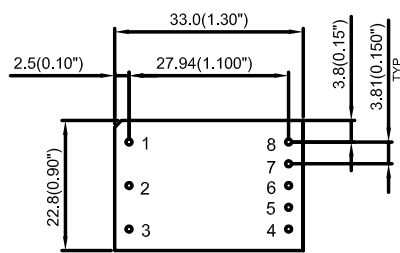
- IEC/EN/UL/CSA 62368-1
- IEC/EN/UL/CSA 60950-1



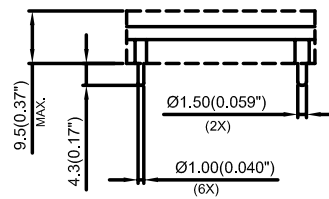
SPECIFICATIONS

Part Number	Input Voltage	Output Voltage	Vo trim range	Output Current	Output Power	Efficiency	Isolation Voltage	Size (LxWxH) without heat spreader
V48SH1R035	36~75V	1V	0.8~1.1V	35A	35W	85.0%	1500V	33 x 22.8 x 9.5 mm
V48SH1R050	36~75V	1V	0.8~1.1V	50A	50W	84.0%	1500V	33 x 22.8 x 9.5 mm
V48SH1R235	36~75V	1.2V	0.96~1.32V	35A	42W	87.0%	1500V	33 x 22.8 x 9.5 mm
V48SH1R830	36~75V	1.8V	1.44~1.98V	30A	54W	89.0%	1500V	33 x 22.8 x 9.5 mm
V48SH1R840	36~75V	1.8V	1.44~1.98V	40A	72W	88.5%	1500V	33 x 22.8 x 9.5 mm
V48SH3R325	36~75V	3.3V	2.64~3.63V	25A	82.5W	91.0%	1500V	33 x 22.8 x 9.5 mm
V48SH3R330	36~75V	3.3V	2.64~3.63V	30A	99W	91.0%	1500V	33 x 22.8 x 9.5 mm
V48SH05017	36~75V	5V	4~5.5V	17A	85W	91.5%	1500V	33 x 22.8 x 9.5 mm
V48SH05020	36~75V	5V	4~5.5V	20A	100W	91.5%	1500V	33 x 22.8 x 9.5 mm

MECHANICAL DRAWING



TOP VIEW



SIDE VIEW

(without heat spreader)

Pin#	Function	D_pin
1	VIN(+)	Ø1.00
2	ON/OFF	Ø1.00
3	VIN(-)	Ø1.00
4	VOUT(-)	Ø1.50
5	SENSE(-)	Ø1.00
6	TRIM	Ø1.00
7	SENSE(+)	Ø1.00
8	VOUT(+)	Ø1.50

PART NUMBERING SYSTEM

V	48	S	H	1R0	50	N	R	F	A
Form Factor	Input Voltage	Number of Outputs	Product Series	Output Voltage	Output Current	ON/OFF Logic	Pin Length Pin Type	RoHS	Option Code
V - 1/16 Brick	48 - 36~75V	S - Single	H - Family Name	1R0 - 1.0V 1R2 - 1.2V 1R8 - 1.8V 3R3 - 3.3V 050 - 5.0V	17 - 17A 25 - 25A 30 - 30A 35 - 35A 40 - 40A 50 - 50A	N - Negative P - Positive	K - 0.110" N - 0.145" R - 0.170" M - SMD	F - RoHS 6/6 (Lead Free) Space - RoHS5/6	A - Standard Functions H - With heat spreader

Isolated DC-DC Open-frame Power Module