

V48SC Series

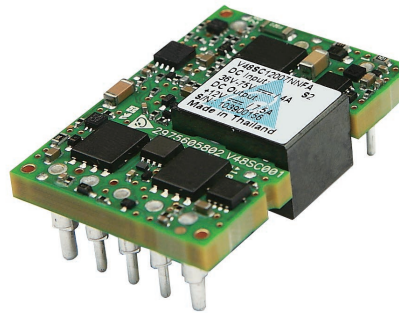
FEATURES

Electrical

- Efficiency up to 92%
- OTP, Input UVLO, Output OCP, OVP
- Isolation and basic insulation
- Pre-biased startup
- No minimum load required
- Remote ON/OFF
- Remote sense

Safety & Certificate

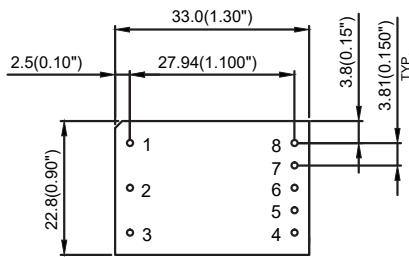
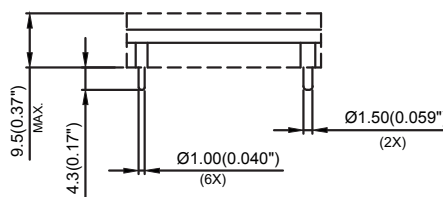
- IEC/EN/UL/CSA 62368-1
- IEC/EN/UL/CSA 60950-1

**1/16
brick****2:1
input**

SPECIFICATIONS

Part Number	Input Voltage	Output Voltage	Vo trim range	Output Current	Output Power	Efficiency	Isolation Voltage	Size (LxWxH) without heat spreader
V48SC3R315	36~75V	3.3V	2.64~3.63V	15A	49.5W	91.5%	1500V	33 x 22.8 x 9.5 mm
V48SC3R320	36~75V	3.3V	2.64~3.63V	20A	66W	91.0%	1500V	33 x 22.8 x 9.5 mm
V48SC3R325	36~75V	3.3V	2.64~3.63V	25A	82.5W	91.0%	1500V	33 x 22.8 x 9.5 mm
V48SC05013	36~75V	5V	4~5.5V	13A	65W	91.5%	1500V	33 x 22.8 x 9.5 mm
V48SC05017	36~75V	5V	4~5.5V	17A	85W	91.5%	1500V	33 x 22.8 x 9.5 mm
V48SC05020	36~75V	5V	4~5.5V	20A	100W	91.0%	1500V	33 x 22.8 x 9.5 mm
V48SC12007	36~75V	12V	9.6~13.2V	7.5A	90W	92.0%	1500V	33 x 22.8 x 9.5 mm
V48SC12008	36~75V	12V	9.6~13.2V	8.3A	100W	92.0%	1500V	33 x 22.8 x 9.5 mm
V48SC12010	42~60V	12V	9.6~13.2V	10A	120W	91.1%	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	C	050	13	N	N	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	C - Family Name	3R3 - 3.3V 050 - 5.0V 120 - 12V	07 - 7.5A 08 - 8.3A 10 - 10A 13 - 13A 15 - 15A 17 - 17A 20 - 20A 25 - 25A	N - Negative	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 Heatspreader B - no sense and trim pin

Isolated DC-DC Open-frame Power Module