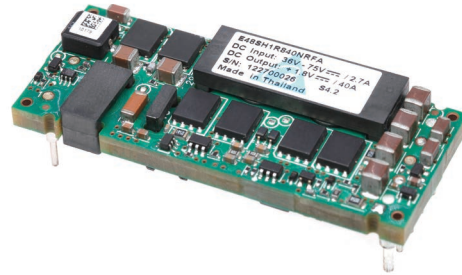


E48SH Series

FEATURES

Electrical

- Efficiency up to 93%
- OTP, Input UVLO, Output OCP, OVP
- Isolation and basic insulation
- Pre-biased startup
- No minimum load required
- Remote ON/OFF
- Remote sense
- Secondary side control, very fast transient response



Safety & Certificate

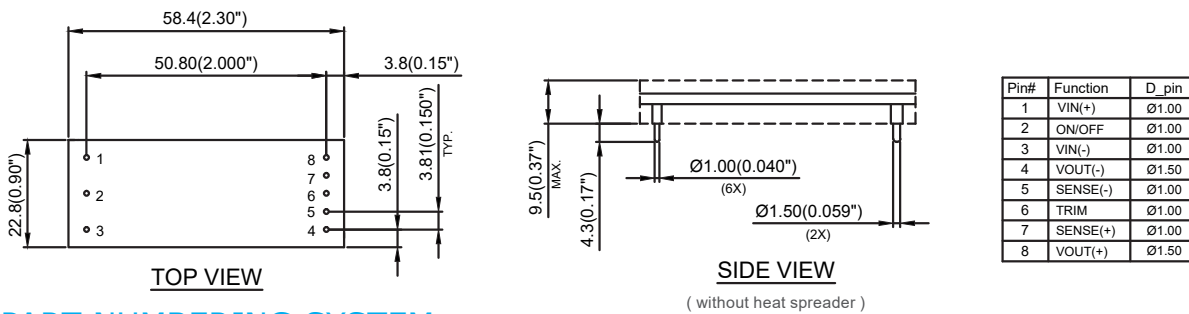
- IEC/EN/UL/CSA 62368-1
- IEC/EN/UL/CSA 60950-1



SPECIFICATIONS

Part Number	Input Voltage	Output Voltage	Vo trim range	Output Current	Output Power	Efficiency	Isolation Voltage	Size (LxWxH) without heat spreader
E48SH1R050	36~75V	1V	0.8~1.1V	50A	50W	84.5%	2250V	58.4 x 22.8 x 9.5 mm
E48SH1R250	36~75V	1.2V	0.96~1.32V	50A	60W	86.5%	2250V	58.4 x 22.8 x 9.5 mm
E48SH1R540	36~75V	1.5V	1.2~1.65V	40A	60W	89.0%	2250V	58.4 x 22.8 x 9.5 mm
E48SH1R840	36~75V	1.8V	1.44~1.98V	40A	72W	90.0%	2250V	58.4 x 22.8 x 9.5 mm
E48SH2R535	36~75V	2.5V	2~2.75V	35A	88W	89.5%	2250V	58.4 x 22.8 x 9.5 mm
E48SH3R330	36~75V	3.3V	2.64~3.63V	30A	99W	92.0%	2250V	58.4 x 22.8 x 9.5 mm
E48SH05020	36~75V	5V	4~5.5V	20A	100W	90.0%	2250V	58.4 x 22.8 x 9.5 mm
E48SH12010	36~75V	12V	9.6~13.2V	10A	120W	93.0%	2250V	58.4 x 22.8 x 9.5 mm
E48SH12013	36~75V	12V	9.6~13.2V	13A	150W	93.0%	2250V	58.4 x 22.8 x 9.5 mm

MECHANICAL DRAWING



PART NUMBERING SYSTEM

E	48	S	H	050	20	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
E - 1/8 Brick	48 - 36~75V	S - Single	H - Family Name	1R0 - 1.0V 1R2 - 1.2V 1R5 - 1.5V 1R8 - 1.8V 2R5 - 2.5V 3R3 - 3.3V 050 - 5.0V 120 - 12V	10 - 10A 13 - 13A 20 - 20A 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)	A - Standard functions with output OCL H - With heat spreader with output OCL B* - Standard Functions with output OCP

* only available for 1.2V, 1.8V, 2.5V output