

FEATURES

Electrical

- Peak Efficiency up to 97.3% @54Vin
- PMBus communication
- Fully regulated output voltage
- Input UVLO, output OVP, OCP and OTP
- Monotonic and pre-bias startup
- No minimum load required

Safety & Certificate

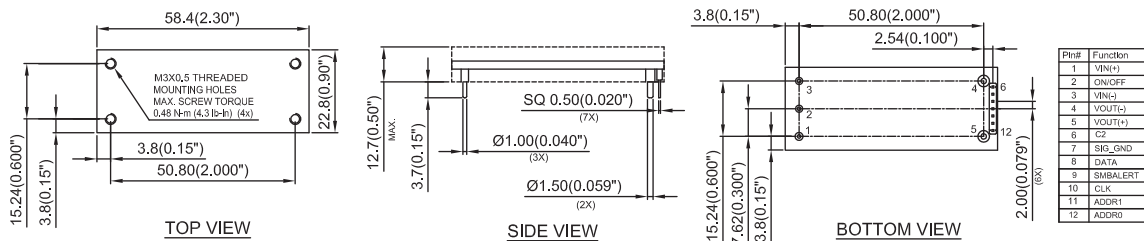
- IEC/EN/UL/CSA 62368-1
- IEC/EN/UL/CSA 60950-1



SPECIFICATIONS

Part Number	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Isolation Voltage	Size (LxWxH)
E50SN12051	40~60V	12V	51A	600W	96.5%	Non-isolated	58.4x22.8x12.7mm

MECHANICAL DRAWING



PART NUMBERING SYSTEM

E	50	S	N	120	51	N	K	D	H	F
Form Factor	Input Voltage	Number of Outputs	Product Series	Output Voltage	Output Current	ON/OFF Logic	Pin Length	Pin Assignment	Option Code	Customer Specific
E - 1/8 Brick	50 - 40~60V	S - Single	N - Family Name	120 - 12.0V	51 - 51A	N - Negative R - Negative and compliant Reflow process	R - 0.170" N - 0.145" K - 0.110"	D - Digital pins A - Analog pins	H - With baseplate	Omit - Standard F - Halogen free

Non-Isolated DC-DC Power Module & Point-of-Load