

TEP-100 Series ▶ 100 W



 pending

- ▶ High power density
- ▶ Wide 2:1 input voltage range
- ▶ Very high efficiency up to 93 %
- ▶ Operating temperature range $-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$
- ▶ Soft start
- ▶ Reverse input protection
- ▶ I/O isolation 2250 VDC (basic insulation)
- ▶ Adjustable output voltage
- ▶ Shielded metal case with aluminium baseplate
- ▶ Optional adaptor for screw terminal connection



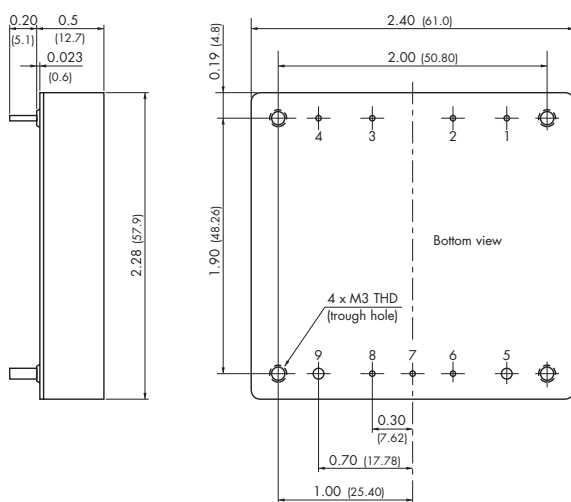
Specifications

Line regulation	0.2% max.
Load regulation	0.3% max.
Output voltage adjustment	+10% / -20% by external resistor
Ripple & noise (20 MHz BW)	- 5 VDC output models: <75 mVpk-pk - other output models: <1% of Vout
Conducted EMI	EN 55022, class A and FCC, level A (with external capacitor)
Short circuit protection	continuous, automatic recovery
Reverse input protection	parallel diode
Efficiency	92% typ.
Operating temperature range	$-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$ (with heat sink) for derating see datasheet
I/O isolation test voltage	2250 VDC (basic insulation)
Safety standards / approvals	cUL/UL 60950-1, IEC/EN 60950-1
Case	shielded metal case with aluminium baseplate
Remote On/Off	shutdown input for low input current (3 mA) in standby operation
Options	- Heat sink (horizontal or vertical) - Adaptor for screw terminal connection

Models

Order code	Input voltage	Output voltage	Output current max.
TEP 100-2411		5.0 VDC	20.0 A
TEP 100-2412		12 VDC	8.4 A
TEP 100-2413	18 - 36 VDC	15 VDC	6.7 A
TEP 100-2415		24 VDC	4.2 A
TEP 100-2416		28 VDC	3.6 A
TEP 100-2418		48 VDC	2.1 A
TEP 100-4811		5.0 VDC	20.0 A
TEP 100-4812		12 VDC	8.4 A
TEP 100-4813	36 - 75 VDC	15 VDC	6.7 A
TEP 100-4815		24 VDC	4.2 A
TEP 100-4816		28 VDC	3.6 A
TEP 100-4818		48 VDC	2.1 A

Dimensions



() = mm

Pin

1	- Vin (GND)
2	Case
3	Remote On/Off
4	+ Vin (Vcc)
5	- Vout
6	- Sense
7	Trim
8	+ Sense
9	+ Vout