

Max. capacitive load [μ F]	12 VDC	15 VDC	24 VDC	28 VDC	48 VDC
24 VDC Input models	12'500	8'000	3'100	2'300	770
48 VDC Input models	15'000	9'300	3'700	2'600	930
110 VDC Input models	16'600	10'600	4'100	3'000	1'000

General Specifications

Temperature ranges	<ul style="list-style-type: none"> – Operating (ambient) – Case temperature – Storage 	–40°C to +75°C +115°C max. –40°C to +105°C
Derating (convection cooling) Guideline values:		depending on installation! see Application note
Over temperature protection		at +120°C
Thermal shock, mechanical shock & vibration – Test conditions		EN 61373, MIL-STD-810F www.tracopower.com/products/mil810.pdf
Humidity (non condensing)		95 % rel H max.
Reliability, calculated MTBF (MIL-HDBK-217F, at +70°C, ground benign)		300'000 h
Isolation voltage (60sec.)	<ul style="list-style-type: none"> – Input/Output – Input/Case 	2'250 VDC (basic insulation) 1'600 VDC
Isolation capacitance	– Input/Output	2500 pF max.
Isolation resistance	– Input/Output (500 VDC)	1 GOhm min.
Switching frequency		250 kHz typ. (puls width modulation)
Safety standards	<ul style="list-style-type: none"> – UL online certification E188913, QQQQ2 – Railway immunity – Flammability identified acc. – Certification documents 	UL 60950-1 2nd edition + AM1 IEC/EN 60950-1 EN 50155, EN 45545-2 www.tracopower.com/overview/tep200wir
Remote On/Off	<ul style="list-style-type: none"> – positive logic (standard) – negative logic (option) – Off idle current: 	<ul style="list-style-type: none"> – On: 3 to 12 VDC or open circuit – Off: 0 to 1.2 VDC or short circuit pin 1 and 3 – On: 0 to 1.2 VDC or short circuit pin 1 and 3 – Off: 3 to 12 VDC or open circuit 3 mA
Environmental compliance	<ul style="list-style-type: none"> – Reach – RoHS – Flammability identified acc. EN 45545-2 	www.tracopower.com/info/reach-declaration.pdf RoHS directive 2011/65/EU www.tracopower.com/info/en45545-declaration.pdf

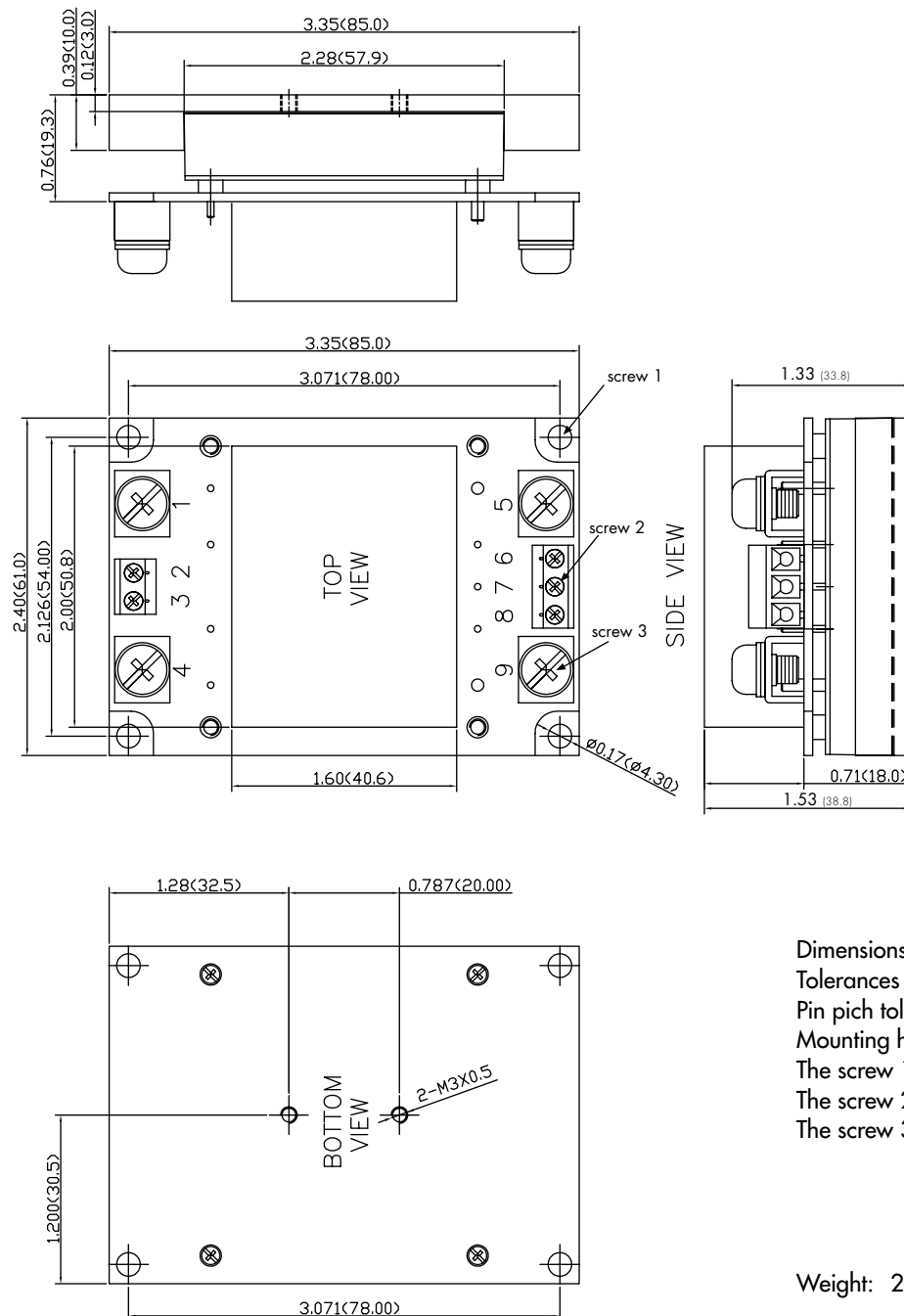
Application note: www.tracopower.com/overview/tep200wir

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

General Specifications

Casing material	24 Vin & 48 Vin models: metal 110 Vin models: Aluminium base-plate with plastic casing
Potting material	Epoxy (UL94V-0 rated)
Base material	FR4

Dimensions



Pin-Out	
Pin	
1	- Vin
2	NC
3	Remote On/Off
4	+ Vin
5	- Vout
6	- Sense*
7	Trim
8	+ Sense*
9	+ Vout

*Sense line to be connected to the output either at the module or at the load under regard of polarity.

Dimensions in Inch, () = mm
 Tolerances ± 0.02 (± 0.5)
 Pin pitch tolerances ± 0.01 (± 0.25)
 Mounting hole pitch tolerances ± 0.01 (± 0.25)
 The screw 1 locked torque: MAX 11.2kgf-cm/1.14N-m
 The screw 2 locked torque: MAX 5.2kgf-cm/0.51N-m
 The screw 3 locked torque: MAX 16.8kgf-cm/1.64N-m

Weight: 287 g (10.12oz)