General Specifications

Temperature ranges	– Operating		–40°C to +75°C
	– Case temperature		+100°C max.
	– Storage		–55°C to +125°C
Thermal consideration	– Mounting surface		Optimize thermal coupling to heat conducting surface. Not to mount on flammable surface!
	– Derating and temperature test point		see application note
Over temperature protection			at 110°C (auto restart)
Shock, vibration and thermal shock			acc. MIL-STD-810F
	– Vibration		7.76G / 3 axis / random wavforms / 1h each axis
	– Shock		50G / 3 axis / terminal-peak sawtooth / 11ms
Humidity (non condensing)			95 % rel H max.
Reliability, calculated MTBF (MIL-HDBK-217F, at +70°C, ground benign)			>495'000 h
Isolation voltage (60 s)	– Input to Output		2250 VDC (functional insulation)
	– Input/Output to Case		1600 VDC
Isolation capacitance	– Input to Output		3500 pF max.
Isolation resistance	– Input to Output (500 VDC)		>1 GOhm min.
Switching frequency			203 – 330 kHz depending on model (puls width modulation)
Safety standards			UL 60950-1, IEC/EN 60950-1
Safety approvals	– UL/cUL 60950-1		www.ul.com -> certifications -> File e188913
	– CB test certificate		IEC 60950-1
	– Railway		EN 50155
	– Certification documents		www.tracopower.com/overview/tep150wi
Remote On/Off	– positive logic (standard)	– On:	3 to 12 VDC or open circuit
		– Off:	0 to 1.2 VDC or short circuit pin 5 and 3
	– negative logic (option -N)	– On:	0 to 1.2 VDC or short circuit pin 5 and 3
		– Off:	3 to 12 VDC or open circuit
	– Off idle current:		3 mA
Environmental compliance	– Reach		www.tracopower.com/info/reach-declaration.pdf
	– RoHS		RoHS directive 2011/65/EU
	– Flamability identified acc. EN 45545-2		www.tracopower.com/info/en45545-declaration.pdf

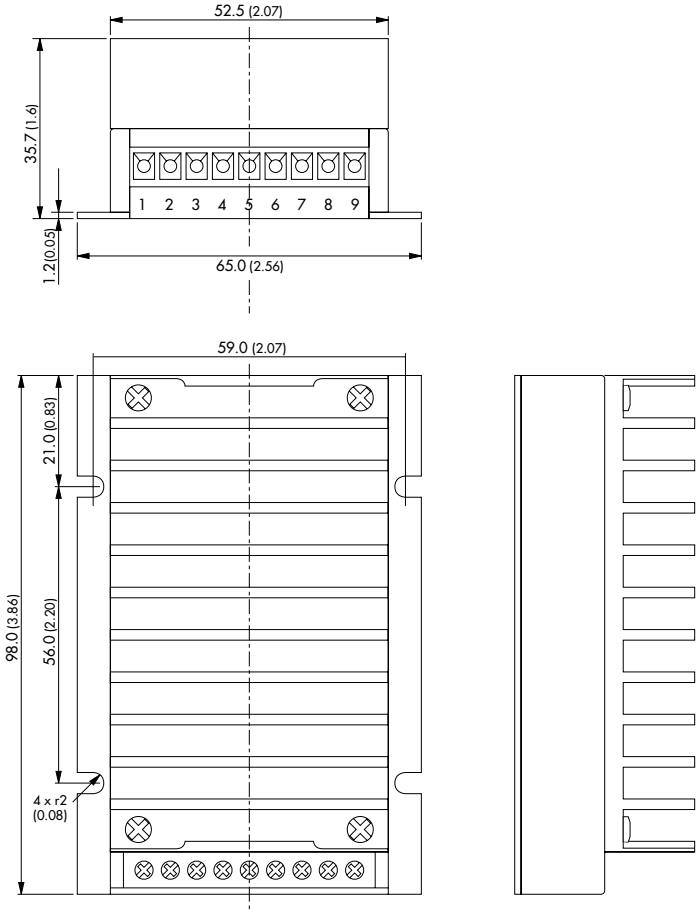
Physical Specifications

Casing material	metal
Potting material	silicone (UL 94V-0 rated)
Case protection	IP 50 (in accordance to IEC/EN 60529)
Weight	300 g (10.6 oz)

Application note: www.tracopower.com/overview/tep150wi

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

Outline Dimensions



Pin Connection		
pin	**function**	**recommended wire**
1	+ Vin	14 – 16 AWG
2	+ Vin	14 – 16 AWG
3	– Vin	14 – 16 AWG
4	– Vin	14 – 16 AWG
5	Remote On/Off	14 – 24 AWG
6	+ Vout	14 – 16 AWG
7	– Vout	14 – 16 AWG
8	Trim	14 – 24 AWG
9	Trim	14 – 24 AWG

Weight: 300 g (10.6oz)

Dimensions in [mm], () = Inch
Mounting slot tolerance: ±0.25 (±0.001)
Case tolerances: ±0.5 (±0.02)