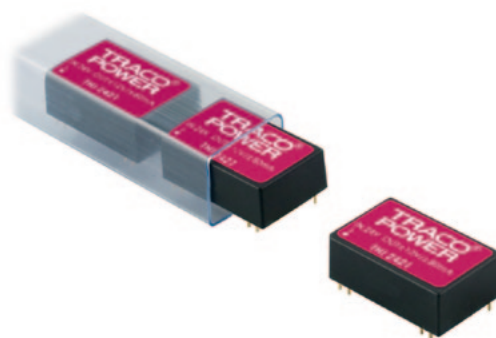


THI-2 Series ▶ 2 W

- ▶ I/O isolation voltage 2500 VACrms
- ▶ Supplementary insulation rated for working voltage up to 250 VAC
- ▶ Regulated output
- ▶ Operating temperature range $-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$
- ▶ Low coupling capacity



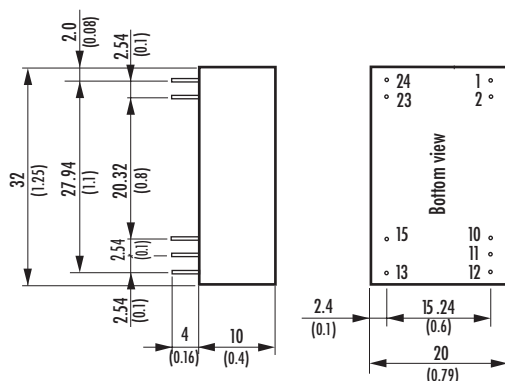
Specifications

Line regulation	0.5% max.
Load regulation	– Single output models: 1% max. – Dual output models: 1% max.
Ripple & noise	<50 mVpk-pk (20 MHz BW)
Input filter	Pi-filter
Short circuit protection	continuous, automatic recovery
Efficiency	61% typ.
Operating temperature range	$-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$ above $70\text{ }^{\circ}\text{C}$ derating 3%/K
I/O isolation voltage	2500 VACrms (60 sec.), supplementary insulation, rated for 250 VAC working voltage
I/O isolation test voltage	6000 Vpk (1 sec.)
I/O isolation capacitance	20 pF typ.
I/O isolation resistance	>10,000 M Ω
Safety standards	IEC/EN 60950-1
Casing	plastic (UL 94V-0 rated)
Full datasheet	www.tracopower.com/products/thi.pdf

Models

Order code	Input voltage	Output voltage	Output current max.
THI 0511		5 VDC	400 mA
THI 0512		12 VDC	165 mA
THI 0513	5 VDC $\pm 10\%$	15 VDC	130 mA
THI 0520		± 5 VDC	± 100 mA
THI 0521		± 12 VDC	± 80 mA
THI 0522		± 15 VDC	± 65 mA
THI 1211		5 VDC	400 mA
THI 1212		12 VDC	165 mA
THI 1213	12 VDC $\pm 10\%$	15 VDC	130 mA
THI 1220		± 5 VDC	± 100 mA
THI 1221		± 12 VDC	± 80 mA
THI 1222		± 15 VDC	± 65 mA
THI 2411		5 VDC	400 mA
THI 2412		12 VDC	165 mA
THI 2413	24 VDC $\pm 10\%$	15 VDC	130 mA
THI 2420		± 5 VDC	± 100 mA
THI 2421		± 12 VDC	± 80 mA
THI 2422		± 15 VDC	± 65 mA

Dimensions



() = Inches

Pin	Single output	Dual output
1	+ Vin (Vcc)	+ Vin (Vcc)
2	+ Vin (Vcc)	+ Vin (Vcc)
10	No pin	Common
11	No pin	Common
12	– Vout	No pin
13	+ Vout	– Vout
15	No pin	+ Vout
23	– Vin (GND)	– Vin (GND)
24	– Vin (GND)	– Vin (GND)