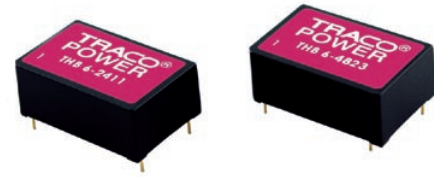


# THB-6 Series ▶ 6 W



- ▶ Ultra compact DIP-24 package
- ▶ Wide 2:1 input voltage range
- ▶ I/O isolation voltage 4000 VACrms
- ▶ Reinforced insulation rated for working voltage 300 VAC
- ▶ Industrial and medical safety approvals
- ▶ Operating temperature range -40 °C to +85 °C
- ▶ Low leakage current
- ▶ Short circuit protection
- ▶ Input filter to meet EN 55022, class A



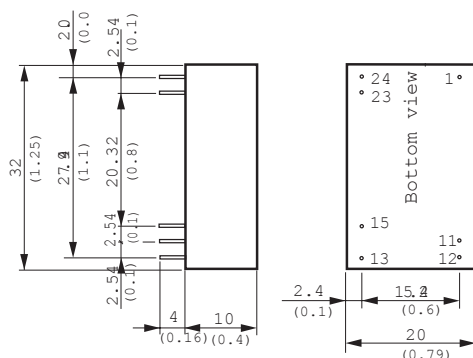
## Specifications

Line regulation	0.5% max.
Load regulation	1.0% max..
Ripple & noise	<180 mVpk-pk (20 MHz BW)
Conducted EMI	EN 55022, class A (internal filter)
Short circuit protection	continuous, automatic recovery
Efficiency	83% typ.
Operating temperature range	-40 °C to +85 °C above 75 °C derating 2%/K
I/O isolation voltage	4000 VACrms, rated for 300 VAC working voltage
I/O isolation test voltage	6000 Vpk (1sec)
Safety standards / approvals	cUL/UL 60950-1, IEC/EN 60950-1, UL 60601-1, IEC/EN 60601-1, CB-report
Case	plastic (UL 94V-0 rated)

## Models

Order code	Input voltage	Output voltage	Output current max.
THB 6-1211		5 VDC	1000 mA
THB 6-1212	9 – 18 VDC	12 VDC	500 mA
THB 6-1222		± 12 VDC	± 250 mA
THB 6-1223		± 15 VDC	± 200 mA
THB 6-2411		5 VDC	1000 mA
THB 6-2412	18 – 36 VDC	12 VDC	500 mA
THB 6-2422		± 12 VDC	± 250 mA
THB 6-2423		± 15 VDC	± 200 mA
THB 6-4811		5 VDC	1000 mA
THB 6-4812	36 – 75 VDC	12 VDC	500 mA
THB 6-4822		± 12 VDC	± 250 mA
THB 6-4823		± 15 VDC	± 200 mA

## Dimensions



() = Inches

Pin	Single output	Dual output
1	+ Vin (Vcc)	+ Vin (Vcc)
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)