

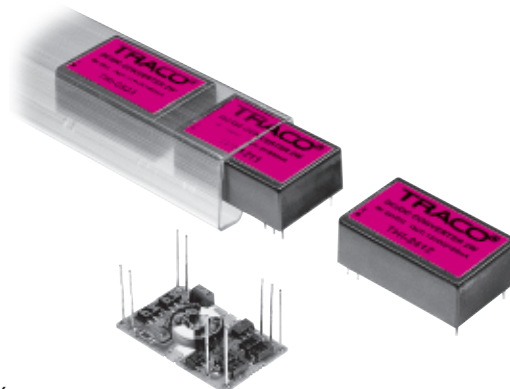
DC/DC Converters, High Isolation

**POWER
SOLVE**

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THI Series, 2 Watt

- = DIL-24 Plastic Package
- = I/O Isolation Voltage 2500 VAC
- = Supplementary Insulation rated for Working Voltage 250VAC
- = Complies with IEC/EN 60950 and 60601-1 Safety Standard
- = Operating Temperature Range -40°C to +85°C
- = I/O-Clearance 2.5 mm min.
- = Low Coupling Capacity
- = Full SMD Design with Ceramic Caps



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°C ... +85°C above 70°C derating 3%/°C
I/O isolation voltage:	2500 VACrms (60sec)
I/O isolation test voltage:	6000 Vpk (1 sec.)
I/O isolation capacitance:	20 pF typ.
I/O isolation resistance:	>10,000 Mohm
I/O clearance and creepage distances:	2.5 mm resp. 4.0 mm min.
Safety standards / approvals:	IEC/EN 60950, IEC/EN 60601-1 (rated for 250 VAC working voltage) test report by BSI (British Standards Institute)
Case:	plastic (UL 94V-O rating)

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

Pin-Out		
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)

