

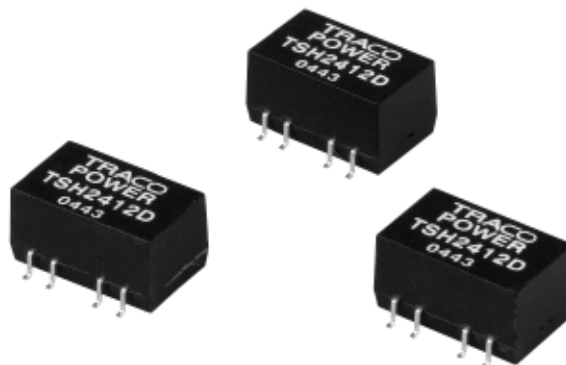
DC-DC Converters



www.powersolve.co.uk

TSH Series, 2 Watt

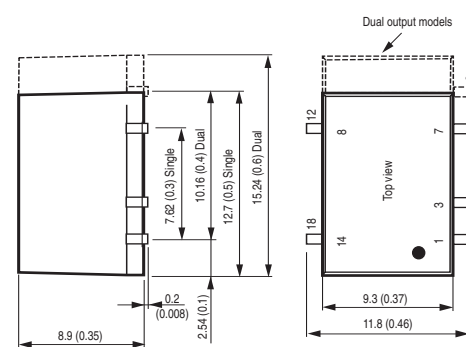
- Ultracompact SMD Package (SOIC-14/18)
- Single and Dual Output Models
- I/O Isolation 1000 VDC
- High Efficiency
- Operating Temperature Range -40°C to $+85^{\circ}\text{C}$
- Lead Frame Construction
- High Accuracy of Pin Co-Planarity
- Available in Tape and Reel Package
- Reflow solder temperature up to 250°C allowed



Line regulation:	non regulated
Load regulation:	$\pm 10\%$ max.
Ripple & Noise:	< 120 mVpk-pk (20 MHz BW)
Short circuit protection:	limited 1 sec.
Efficiency:	80% typ.
Operating temperature range:	-40°C ... $+85^{\circ}\text{C}$ (no derating)
I/O isolation voltage:	1000 VDC
Case:	plastic (UL 94V-0 rating)

Models			
Order Code	Input voltage	Output voltage	Output current max.
TSH 0505S	5 VDC $\pm 10\%$	5 VDC	400 mA
TSH 0512S		12 VDC	165 mA
TSH 0512D		± 12 VDC	± 80 mA
TSH 0515D		± 15 VDC	± 65 mA
TSH 1205S	12 VDC $\pm 10\%$	5 VDC	400 mA
TSH 1212S		12 VDC	165 mA
TSH 1212D		± 12 VDC	± 80 mA
TSH 1215D		± 15 VDC	± 65 mA
TSH 2405S	24 VDC $\pm 10\%$	5 VDC	400 mA
TSH 2412S		12 VDC	165 mA
TSH 2412D		± 12 VDC	± 80 mA
TSH 2415D		± 15 VDC	± 65 mA

Pin-Out		
Pin	Single Output	Dual Output
1	– Vin (GND)	– Vin (GND)
3	+ Vin (Vcc)	+ Vin (Vcc)
7	– Vout	Common
8	+ Vout	
9		– Vout
12		+ Vout
14	No con.	
18		No con.



() = Inches