

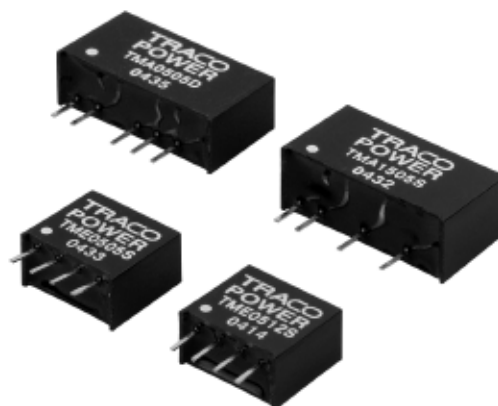
DC/DC Converters

**POWER
SOLVE**

www.powersolve.co.uk

TMA/TME Series, 1 Watt

- = Single-in-Line (SIL) Package
- = Single and Dual Output Models
- = I/O-Isolation 1000 VDC
- = High Efficiency
- = Operating Temperature Range -40°C to $+85^{\circ}\text{C}$
- = Industry Standard Pinout
- = 100% Burn-in



Line regulation:	non regulated
Load regulation:	$\pm 10\%$ max.
Ripple & Noise:	– TMA < 75 mVpk-pk (20 MHz BW), – TME < 150 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.	
TMA 0505S TME 0505S	5 VDC $\pm 10\%$	5 VDC	200 mA	
TME 0509S		9 VDC	110 mA	
TMA 0512S TME 0512S		12 VDC	80 mA	
TMA 0515S TME 0515S		15 VDC	65 mA	
TMA 0505D		± 5 VDC	± 100 mA	
TMA 0512D	12 VDC $\pm 10\%$	± 12 VDC	± 40 mA	
TMA 0515D		± 15 VDC	± 30 mA	
TMA 1205S TME 1205S		5 VDC	200 mA	
TME 1209S		9 VDC	110 mA	
TMA 1212S TME 1212S		12 VDC	80 mA	
TMA 1215S TME 1215S		15 VDC	65 mA	
TMA 1205D	15 VDC $\pm 10\%$	± 5 VDC	± 100 mA	
TMA 1212D		± 12 VDC	± 40 mA	
TMA 1215D		± 15 VDC	± 30 mA	
TMA 1505S		5 VDC	200 mA	
TMA 1512S		12 VDC	80 mA	
TMA 1515S		15 VDC	65 mA	
TMA 1505D	24 VDC $\pm 10\%$	± 5 VDC	± 100 mA	
TMA 1512D		± 12 VDC	± 40 mA	
TMA 1515D		± 15 VDC	± 30 mA	
TMA 2405S TME 2405S		5 VDC	200 mA	
TME 2409S		9 VDC	110 mA	
TMA 2412S TME 2412S	24 VDC $\pm 10\%$	12 VDC	80 mA	
TMA 2415S TME 2415S		15 VDC	65 mA	
TMA 2405D		± 5 VDC	± 100 mA	
TMA 2412D		± 12 VDC	± 40 mA	
TMA 2415D		± 15 VDC	± 30 mA	

Pin-Out			
	TMA		TME
Pin	Single output	Dual output	Single output
1	+ Vin (Vcc)	+ Vin (Vcc)	– Vin (GND)
2	– Vin (GND)	– Vin (GND)	+ Vin (Vcc)
3	No Pin	No Pin	– Vout
4	– Vout	– Vout	+ Vout
5	No Pin	Common	
6	+ Vout	+ Vout	

