

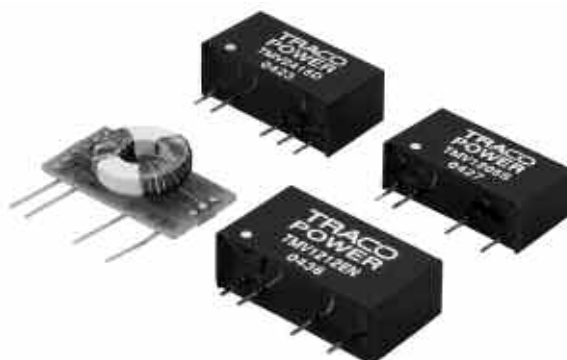
DC/DC Converters, High Isolation

**POWER
SOLVE**

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TMV/TMV-EN Series, 1 Watt

- = Single-in-Line (SIL) Package
- = Single and Dual Output Models
- = I/O Isolation Voltage 3000 VDC (TMV-EN 3000 VAC)
- = Operating Temperature Range -40°C to $+85^{\circ}\text{C}$
- = Supplementary Insulation rated for 250 VAC Working Voltage (TMV-EN)
- = Safety Barrier 100% Production tested (TMV-EN)
- = 100% Burn-in



Line regulation:	non regulated
Load regulation:	$\pm 10\%$ max.
Ripple & Noise:	< 100 mVpk-pk (20 MHz BW)
Short circuit protection:	limited 1 sec.
Efficiency:	– TMV: 77% typ. – TMV-EN: 67% typ.
Operating temperature range:	-40°C ... $+85^{\circ}\text{C}$ (no derating)
I/O isolation voltage:	– TMV: 3000 VDC – TMV-EN: 3000 VACrms
I/O isolation capacitance:	– TMV: 60 pF typ. – TMV-EN: 10 pF typ.
I/O isolation resistance:	> 1000 Mohm
Safety standards / approvals:	TMV-EN: IEC/EN 60950 (rated for 250 VAC working voltage)
Case:	plastic (UL 94V-0 rating)

Models				
Order Code	Input voltage	Output voltage	Output current max.	
TMV 0505S TMV 0505 EN	5 VDC $\pm 10\%$	5 VDC	200 mA	
TMV 0512S TMV 0512 EN		12 VDC	80 mA	
TMV 0515S TMV 0515 EN		15 VDC	65 mA	
TMV 0505D TMV 0505D EN		± 5 VDC	± 100 mA	
TMV 0512D TMV 0512D EN		± 12 VDC	± 40 mA	
TMV 0515D TMV 0515D EN	12 VDC $\pm 10\%$	± 15 VDC	± 30 mA	
TMV 1205S TMV 1205 EN		5 VDC	200 mA	
TMV 1212S TMV 1212 EN		12 VDC	80 mA	
TMV 1215S TMV 1215 EN		15 VDC	65 mA	
TMV 1205D TMV 1205D EN		± 5 VDC	± 100 mA	
TMV 1212D TMV 1212D EN	24 VDC $\pm 10\%$	± 12 VDC	± 40 mA	
TMV 1215D TMV 1215D EN		± 15 VDC	± 30 mA	
TMV 2405S		5 VDC	200 mA	
TMV 2412S		12 VDC	80 mA	
TMV 2415S		15 VDC	65 mA	
TMV 2405D		± 5 VDC	± 100 mA	
TMV 2412D		± 12 VDC	± 40 mA	
TMV 2415D		± 15 VDC	± 30 mA	

Pin-Out		
Pin	Single output	Dual output
1	+ Vin (Vcc)	+ Vin (Vcc)
2	– Vin (GND)	– Vin (GND)
5	– Vout	– Vout
6	No pin	Common
7	+ Vout	+ Vout

