

DC/DC Converters

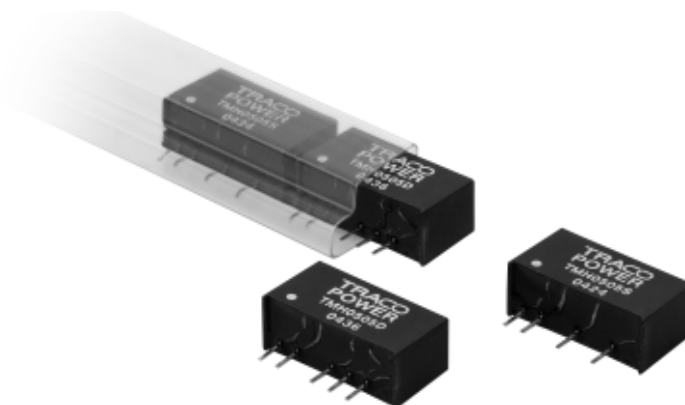
**POWER
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TMH Series, 2 Watt

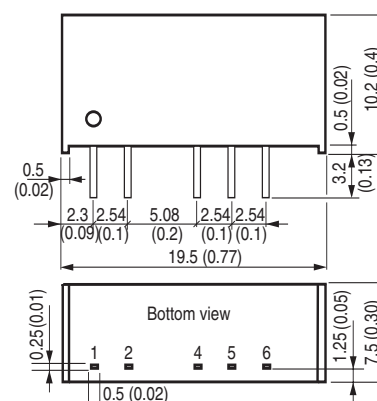
- = Single-in-Line (SIL) Package
- = Single and Dual Output Models
- = I/O Isolation 1000 VDC
- = High Efficiency
- = Operating Temperature Range -40°C to $+85^{\circ}\text{C}$
- = Industry Standard Pinout
- = 100% Burn-in

Line regulation:	non regulated
Load regulation:	$\pm 10\%$ max.
Ripple & Noise:	– 5 V _{in} models: < 75 mV _{pk-pk} (20 MHz BW)
	– 12/24 V _{in} models: < 150 mV _{pk-pk} (20 MHz BW)
Short circuit protection:	limited 1 sec.
Efficiency:	81% typ. 5 VDC output models: 78% typ.
Operating temperature range:	-40°C ... $+85^{\circ}\text{C}$
	above 70°C derating 3%/°C
I/O isolation voltage:	1000 VDC
Case:	plastic (UL 94V-0 rating)



Models			
Order Code	Input voltage	Output voltage	Output current max.
TMH 0505S	5 VDC $\pm 10\%$	5 VDC	400 mA
TMH 0512S		12 VDC	165 mA
TMH 0515S		15 VDC	130 mA
TMH 0505D		± 5 VDC	± 200 mA
TMH 0512D		± 12 VDC	± 80 mA
TMH 0515D		± 15 VDC	± 65 mA
TMH 1205S	12 VDC $\pm 10\%$	5 VDC	400 mA
TMH 1212S		12 VDC	165 mA
TMH 1215S		15 VDC	130 mA
TMH 1205D		± 5 VDC	± 200 mA
TMH 1212D		± 12 VDC	± 80 mA
TMH 1215D		± 15 VDC	± 65 mA
TMH 2405S	24 VDC $\pm 10\%$	5 VDC	400 mA
TMH 2412S		12 VDC	165 mA
TMH 2415S		15 VDC	130 mA
TMH 2405D		± 5 VDC	± 200 mA
TMH 2412D		± 12 VDC	± 80 mA
TMH 2415D		± 15 VDC	± 65 mA

Pin-Out		
Pin	Single output	Dual output
1	+ V _{in} (V _{cc})	+ V _{in} (V _{cc})
2	– V _{in} (GND)	– V _{in} (GND)
4	– V _{out}	– V _{out}
5	No pin	Common
6	+ V _{out}	+ V _{out}



() = Inches