

DC/DC Converters

**POWER
SOLVE**

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TMR Series, 2 Watt

- = Miniature SIL-Package
- = Wide 2:1 Input Range
- = Regulated Outputs
- = I/O Isolation 1000 VDC
- = Operating Temperature Range -40°C to +75°C
- = Low Ripple and Noise
- = Short Circuit Protection
- = Remote On/Off

Line regulation: $\pm 0.5\%$ max.

Load regulation: – Single output models: $\pm 0.75\%$ max.

– Dual output models: $\pm 1.0\%$ max.

Ripple & Noise: <50 mVpk-pk (20 MHz BW)
(no external output capacitor required)

Short circuit protection: continuous, automatic recovery

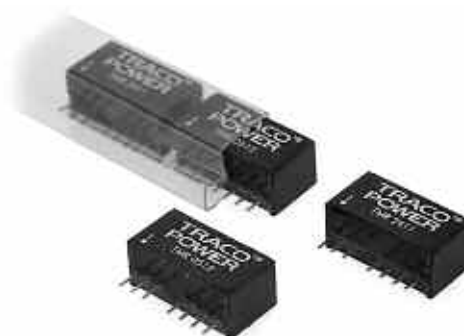
Efficiency: 78% typ. 5 VDC input models: 70% typ.

Operating temperature range: -40°C ... +75°C (no derating)

I/O isolation voltage: 1000 VDC

Case: plastic (UL94V-0 rating)

Remote On/Off: shutdown input for low input current (1 mA) in standby operation

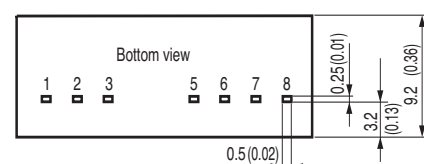
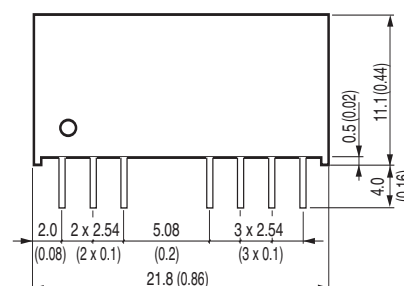


Models

Order Code	Input voltage	Output voltage	Output current max.
TMR 0510	4.5 – 9.0 VDC	3.3 VDC	500 mA
TMR 0511		5 VDC	400 mA
TMR 0512		12 VDC	165 mA
TMR 0521		± 5 VDC	± 200 mA
TMR 0522		± 12 VDC	± 85 mA
TMR 0523		± 15 VDC	± 65 mA
TMR 1210	9 – 18 VDC	3.3 VDC	500 mA
TMR 1211		5 VDC	400 mA
TMR 1212		12 VDC	165 mA
TMR 1221		± 5 VDC	± 200 mA
TMR 1222		± 12 VDC	± 85 mA
TMR 1223		± 15 VDC	± 65 mA
TMR 2410	18 – 36 VDC	3.3 VDC	500 mA
TMR 2411		5 VDC	400 mA
TMR 2412		12 VDC	165 mA
TMR 2421		± 5 VDC	± 200 mA
TMR 2422		± 12 VDC	± 85 mA
TMR 2423		± 15 VDC	± 65 mA
TMR 4810	36 – 75 VDC	3.3 VDC	500 mA
TMR 4811		5 VDC	400 mA
TMR 4812		12 VDC	165 mA
TMR 4821		± 5 VDC	± 200 mA
TMR 4822		± 12 VDC	± 85 mA
TMR 4823		± 15 VDC	± 65 mA

Pin-Out

Pin	Single Output	Dual Output
1	– Vin (GND)	– Vin (GND)
2	+ Vin (Vcc)	+ Vin (Vcc)
3	Remote On/Off	Remote On/Off
5	No con.	No con.
6	+ Vout	+ Vout
7	– Vout	Common
8	No con.	– Vout



() = Inches