

DC-DC Converters

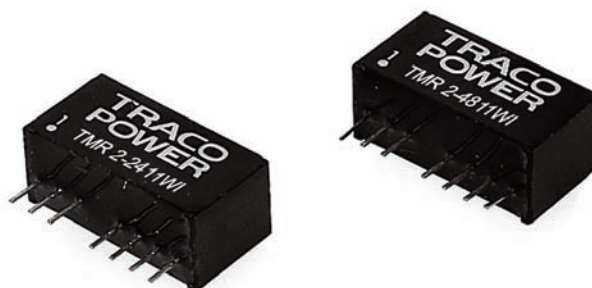
**POWER
SOLVE**

TMR2WI Series

www.powersolve.co.uk

Features

- Miniature SIP package
- Ultra wide 4:1 input range
- Fully regulated outputs
- I/O isolation 1500VDC
- Operating temperature range -40°C to +85°C
- Low ripple and noise
- Short circuit protection
- Remote On/Off



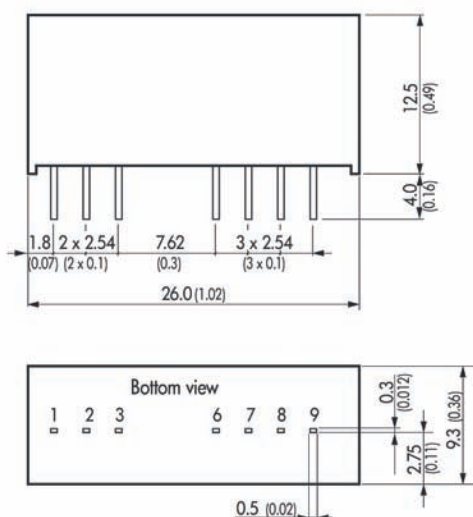
Electrical Specification

Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +85°C (derate at 3.3%/K above 70°C)
I/O Isolation test voltage	1500VDC
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1
Casing	plastic (UL94V-0 rated)
Remote On/Off	shutdown input for low input current (1mA) in standby operation

Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF.
TMR2-2410WI	9 - 36V	3.3VDC	500mA	50mV pk-pk max.	0.5%	0.75%	71%
TMR2-2411WI		5VDC	400mA	50mV pk-pk max.	0.5%	0.75%	86%
TMR2-2412WI		12VDC	165mA	50mV pk-pk max.	0.5%	0.75%	79%
TMR2-2413WI		15VDC	135mA	50mV pk-pk max.	0.5%	0.75%	80%
TMR2-2421WI		±5VDC	±200mA	50mV pk-pk max.	0.5%	1.0%	73%
TMR2-2422WI		±12VDC	±85mA	50mV pk-pk max.	0.5%	1.0%	77%
TMR2-2423WI		±15VDC	±65mA	50mV pk-pk max.	0.5%	1.0%	79%
TMR2-4810WI	18 - 75V	3.3VDC	500mA	50mV pk-pk max.	0.5%	0.75%	70%
TMR2-4811WI		5VDC	400mA	50mV pk-pk max.	0.5%	0.75%	72%
TMR2-4812WI		12VDC	165mA	50mV pk-pk max.	0.5%	0.75%	79%
TMR2-4813WI		15VDC	135mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-4821WI		±5VDC	±200mA	50mV pk-pk max.	0.5%	1.0%	70%
TMR2-4822WI		±12VDC	±85mA	50mV pk-pk max.	0.5%	1.0%	76%
TMR2-4823WI		±15VDC	±65mA	50mV pk-pk max.	0.5%	1.0%	76%

Mechanical and Connection Details



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

Dimensions in [mm], () = Inch
Pin diameter $\varnothing 0.5 \pm 0.05$ (0.02 ± 0.002)
Tolerances ± 0.5 (± 0.02)
Pin pitch tolerances ± 0.2 (± 0.008)