

DC-DC Converters

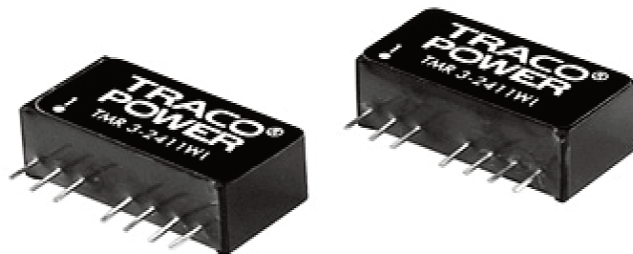
**POWER
SOLVE**

TMR 3WI Series, 3 Watt

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Features

- Highest power density in SIP package
- Ultra wide 4:1 input range
- Fully regulated outputs
- Low ripple and noise
- Short circuit protection
- Remote On/Off



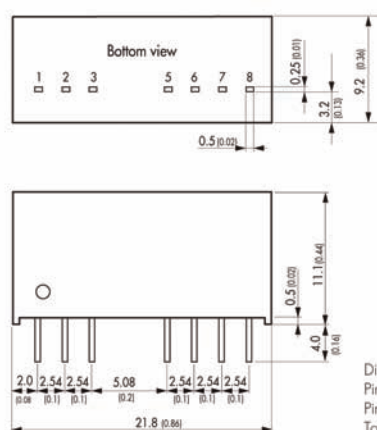
Electrical Specification

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 V	OUTPUT V	OUTPUT I	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF.
TMR 3-1210WI	4.5 - 18V	3.3VDC	700mA	75mV pk-pk max.	0.2%	0.5%	74%
TMR 3-1211WI		5VDC	600mA	75mV pk-pk max.	0.2%	0.5%	78%
TMR 3-1212WI		12VDC	250mA	75mV pk-pk max.	0.2%	0.5%	80%
TMR 3-1213WI		15VDC	200mA	75mV pk-pk max.	0.2%	0.5%	80%
TMR 3-1221WI		±5VDC	±300mA	75mV pk-pk max.	0.2%	1.0%	80%
TMR 3-1222WI		±12VDC	±125mA	75mV pk-pk max.	0.2%	1.0%	80%
TMR 3-1223WI		±15VDC	±100mA	75mV pk-pk max.	0.2%	1.0%	80%
TMR 3-2410WI	9 - 36V	3.3VDC	700mA	75mV pk-pk max.	0.2%	0.5%	75%
TMR 3-2411WI		5VDC	600mA	75mV pk-pk max.	0.2%	0.5%	80%
TMR 3-2412WI		12VDC	250mA	75mV pk-pk max.	0.2%	0.5%	81%
TMR 3-2413WI		15VDC	200mA	75mV pk-pk max.	0.2%	0.5%	81%
TMR 3-2421WI		±5VDC	±300mA	75mV pk-pk max.	0.2%	1.0%	79%
TMR 3-2422WI		±12VDC	±125mA	75mV pk-pk max.	0.2%	1.0%	80%
TMR 3-2423WI		±15VDC	±100mA	75mV pk-pk max.	0.2%	1.0%	81%
TMR 3-4810WI	18 - 75V	3.3VDC	700mA	75mV pk-pk max.	0.2%	0.5%	74%
TMR 3-4811WI		5VDC	600mA	75mV pk-pk max.	0.2%	0.5%	79%
TMR 3-4812WI		12VDC	250mA	75mV pk-pk max.	0.2%	0.5%	79%
TMR 3-4813WI		15VDC	200mA	75mV pk-pk max.	0.2%	0.5%	79%
TMR 3-4821WI		±5VDC	±300mA	75mV pk-pk max.	0.2%	1.0%	79%
TMR 3-4822WI		±12VDC	±125mA	75mV pk-pk max.	0.2%	1.0%	79%
TMR 3-4823WI		±15VDC	±100mA	75mV pk-pk max.	0.2%	1.0%	80%

Mechanical and Connection Details



Dimensions in [mm], (I) = Inch
Pin dimension tolerances 0.1 (0.004)
Pin pitch tolerances: ±0.25 (±0.01)
Tolerances: ±0.5 (±0.02)

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