

DC-DC Converters

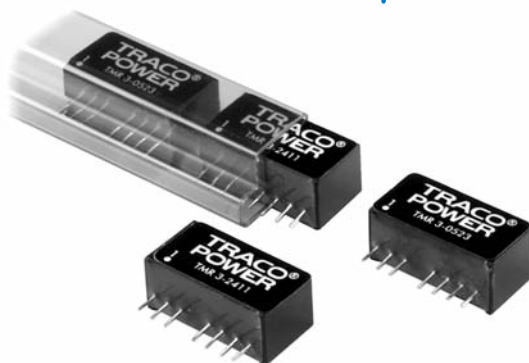
**POWER
SOLVE**

TMR3 Series, 3 Watt

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Features

- Highest power density in SIP package
- Wide 2:1 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 (optional 3000VDC)
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1
Casing	plastic (UL94V-0 rated)
Remote On/Off	shutdown input for low input current (2.5mA) in standby operation

Output Voltage and Current Ratings

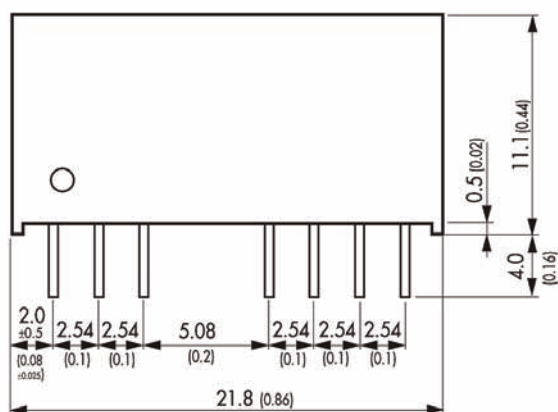
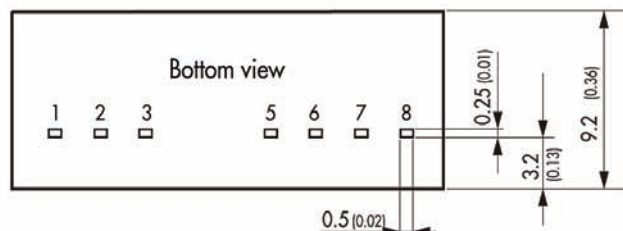
MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF.
TMR 3-0510	4.5 - 9.0V	3.3VDC	700mA	75mV pk-pk max.	0.2%	0.5%	73%
TMR 3-0511		5VDC	600mA	75mV pk-pk max.	0.2%	0.5%	77%
TMR 3-0512		12VDC	250mA	75mV pk-pk max.	0.2%	0.5%	79%
TMR 3-0513		15VDC	200mA	75mV pk-pk max.	0.2%	0.5%	80%
TMR 3-0521		±5VDC	±300mA	75mV pk-pk max.	0.2%	1.0%	77%
TMR 3-0522		±12VDC	±125mA	75mV pk-pk max.	0.2%	1.0%	79%
TMR 3-0523		±15VDC	±100mA	75mV pk-pk max.	0.2%	1.0%	80%
TMR 3-1210	9 - 18V	3.3VDC	700mA	75mV pk-pk max.	0.2%	0.5%	74%
TMR 3-1211		5VDC	600mA	75mV pk-pk max.	0.2%	0.5%	78%
TMR 3-1212		12VDC	250mA	75mV pk-pk max.	0.2%	0.5%	80%
TMR 3-1213		15VDC	200mA	75mV pk-pk max.	0.2%	0.5%	81%
TMR 3-1221		±5VDC	±300mA	75mV pk-pk max.	0.2%	1.0%	80%
TMR 3-1222		±12VDC	±125mA	75mV pk-pk max.	0.2%	1.0%	81%
TMR 3-1223		±15VDC	±100mA	75mV pk-pk max.	0.2%	1.0%	81%
TMR 3-2410	18 - 36V	3.3VDC	700mA	75mV pk-pk max.	0.2%	0.5%	74%
TMR 3-2411		5VDC	600mA	75mV pk-pk max.	0.2%	0.5%	78%
TMR 3-2412		12VDC	250mA	75mV pk-pk max.	0.2%	0.5%	80%
TMR 3-2413		15VDC	200mA	75mV pk-pk max.	0.2%	0.5%	81%
TMR 3-2421		±5VDC	±300mA	75mV pk-pk max.	0.2%	1.0%	80%
TMR 3-2422		±12VDC	±125mA	75mV pk-pk max.	0.2%	1.0%	81%
TMR 3-2423		±15VDC	±100mA	75mV pk-pk max.	0.2%	1.0%	81%
TMR 3-4810	36 - 75V	3.3VDC	700mA	75mV pk-pk max.	0.2%	0.5%	74%
TMR 3-4811		5VDC	600mA	75mV pk-pk max.	0.2%	0.5%	78%
TMR 3-4812		12VDC	250mA	75mV pk-pk max.	0.2%	0.5%	80%
TMR 3-4813		15VDC	200mA	75mV pk-pk max.	0.2%	0.5%	81%
TMR 3-4821		±5VDC	±300mA	75mV pk-pk max.	0.2%	1.0%	80%
TMR 3-4822		±12VDC	±125mA	75mV pk-pk max.	0.2%	1.0%	81%
TMR 3-4823		±15VDC	±100mA	75mV pk-pk max.	0.2%	1.0%	81%

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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
5	No Conn.	No Conn.
6	+Vout	+Vout
7	-Vout	Common
8	No Conn.	-Vout

Dimensions in [mm], () = Inch

Tolerances: ± 0.5 (± 0.02)

Pin pitch tolerances: ± 0.25 (± 0.01)