

DC-DC Converters

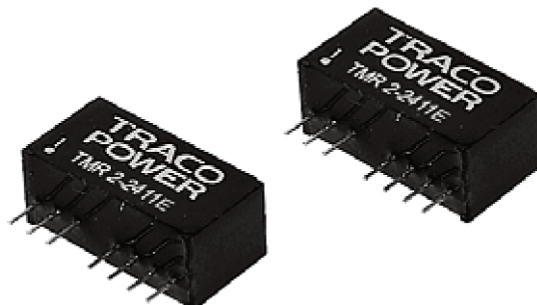
**POWER
SOLVE**

TMR2E Series, 2 Watt

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Features

- Miniature SIP package
- Wide 2:1 input range
- Fully regulated outputs
- I/O isolation 1000VDC
- Operating temperature range -40°C to +85°C
- Low ripple & noise
- Short circuit protection & remote ON/OFF



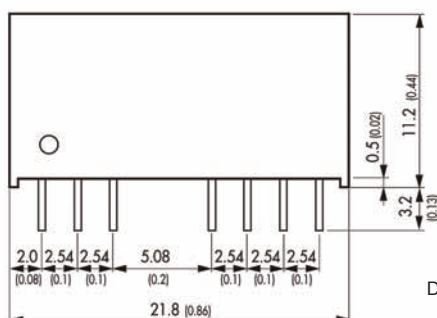
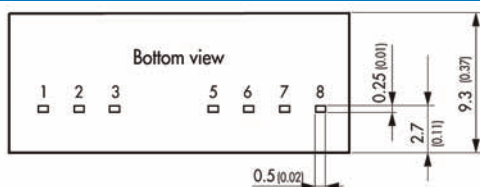
Electrical Specification

Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +85°C (derate at 1.5%/°C above 65°C)
I/O Isolation test voltage	1000VDC
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1
Casing	plastic (UL94V-0 rated)
Remote ON/OFF	Shutdown input for low current (1mA) in standby operation

Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF. (typ.)
TMR2-0510E	4.5 - 9VDC	3.3VDC	500mA	50mV pk-pk max.	0.5%	0.75%	70%
TMR2-0511E		5VDC	400mA	50mV pk-pk max.	0.5%	0.75%	70%
TMR2-0512E		12VDC	167mA	50mV pk-pk max.	0.5%	0.75%	70%
TMR2-1210E	9 - 18VDC	3.3VDC	500mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-1211E		5VDC	400mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-1212E		12VDC	167mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-2410E	18 - 36VDC	3.3VDC	500mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-2411E		5VDC	400mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-2412E		12VDC	167mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-4810E	36 - 75VDC	3.3VDC	500mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-4811E		5VDC	400mA	50mV pk-pk max.	0.5%	0.75%	78%
TMR2-4812E		12VDC	167mA	50mV pk-pk max.	0.5%	0.75%	78%

Mechanical and Connection Details



Dimensions in mm (inches)

Pin	Single Output
1	-Vin (GND)
2	+Vin (Vcc)
3	Remote ON/OFF
5	No conn.
6	+Vout
7	-Vout
8	No conn.