

DC-DC Converters

**POWER
SOLVE**

TRV1 Series, 1 Watt

www.powersolve.co.uk

Features

- Semi-regulated output
- Industry standard pin out
- High efficiency up to 86%
- I/O isolation 3000VDC
- Operating temperature range -40°C to +85°C



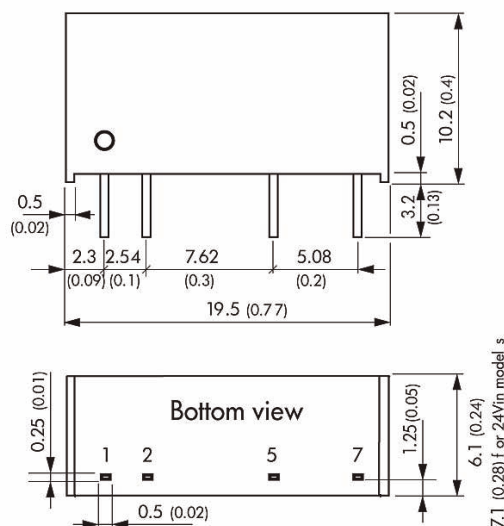
Electrical Specification

Short Circuit Protection	limited 0.5 sec.
Operating Temperature Range	-40°C to +85°C (no derating)
I/O Isolation test voltage	3000VDC
Casing	plastic (UL94V-0 rated)

Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF. (typ.)
TRV1-0511	5VDC ±10%	5VDC	200mA	30mV pk-pk max.	1.2%	5%	86%
TRV1-0519		9VDC	110mA	30mV pk-pk max.	1.2%	5%	86%
TRV1-0512		12VDC	84mA	30mV pk-pk max.	1.2%	5%	86%
TRV1-0513		15VDC	67mA	30mV pk-pk max.	1.2%	5%	86%
TRV1-1211	12VDC ±10%	5VDC	200mA	30mV pk-pk max.	1.2%	3.5%	86%
TRV1-1219		9VDC	110mA	30mV pk-pk max.	1.2%	3.5%	86%
TRV1-1212		12VDC	84mA	30mV pk-pk max.	1.2%	3.5%	86%
TRV1-1213		15VDC	67mA	30mV pk-pk max.	1.2%	3.5%	86%
TRV1-2411	24VDC ±10%	5VDC	200mA	30mV pk-pk max.	1.2%	3.5%	86%
TRV1-2419		9VDC	110mA	30mV pk-pk max.	1.2%	3.5%	86%
TRV1-2412		12VDC	84mA	30mV pk-pk max.	1.2%	3.5%	86%
TRV1-2413		15VDC	67mA	30mV pk-pk max.	1.2%	3.5%	86%

Mechanical and Connection Details



Pin	Single Output
1	+Vin (Vcc)
2	-Vin (GND)
5	-Vout
7	+Vout

Dimensions in mm (inches)