

DC-DC Converters

**POWER
SOLVE**

THN15WI Series, 15 Watt

www.powersolve.co.uk

Features

- Smallest encapsulated 15W converter
- 25.4 x 25.4 x 10mm metal package
- Ultra wide 4:1 input range
- Very high efficiency up to 87%
- Adjustable output voltage & remote On/Off
- Short circuit protection



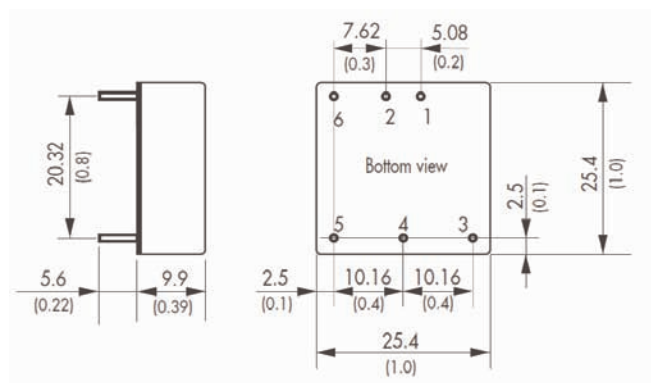
Electrical Specification

Output Voltage Adjustment	±10% by external resistor (single output models only)
Conducted EMI	EN 55022 class A, FCC level A (with external capacitor)
Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +85°C (derate at 2.5%/°C above 65°C)
I/O Isolation test voltage	1500VDC
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1, CB report
Casing	metal 6-side shielded with insulated baseplate
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.
THN 15-2410WI	9 - 36V	3.3VDC	4000mA	100mV pk-pk max.	0.5%	0.2%	86%
THN 15-2411WI		5VDC	3000mA	100mV pk-pk max.	0.5%	0.2%	86%
THN 15-2412WI		12VDC	1300mA	100mV pk-pk max.	0.5%	0.2%	87%
THN 15-2413WI		15VDC	1000mA	100mV pk-pk max.	0.5%	0.2%	87%
THN 15-2421WI		±5VDC	±1500mA	100mV pk-pk max.	0.5%	1.0%	85%
THN 15-2422WI		±12VDC	±625mA	100mV pk-pk max.	0.5%	1.0%	87%
THN 15-2423WI		±15VDC	±500mA	100mV pk-pk max.	0.5%	1.0%	88%
THN 15-4810WI	18 - 75V	3.3VDC	4000mA	100mV pk-pk max.	0.5%	0.2%	86%
THN 15-4811WI		5VDC	3000mA	100mV pk-pk max.	0.5%	0.2%	86%
THN 15-4812WI		12VDC	1300mA	100mV pk-pk max.	0.5%	0.2%	87%
THN 15-4813WI		15VDC	1000mA	100mV pk-pk max.	0.5%	0.2%	87%
THN 15-4821WI		±5VDC	±1500mA	100mV pk-pk max.	0.5%	1.0%	85%
THN 15-4822WI		±12VDC	±625mA	100mV pk-pk max.	0.5%	1.0%	86%
THN 15-4823WI		±15VDC	±500mA	100mV pk-pk max.	0.5%	1.0%	87%

Mechanical and Connection Details



Pin	Single Output	Dual Output
1	+Vin (Vcc)	+Vin (Vcc)
2	-Vin (GND)	-Vin (GND)
3	+Vout	+Vout
4	Trim	Common
5	-Vout	-Vout
6	Remote On/Off	Remote On/Off