

DC-DC Converters

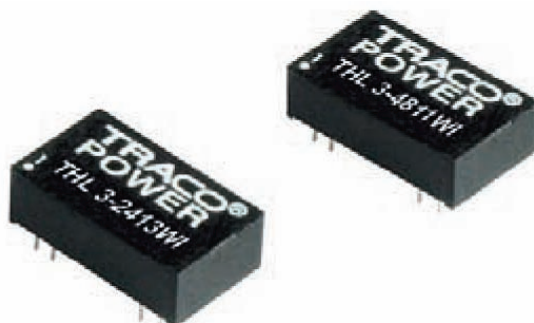
**POWER
SOLVE**

THL3WI Series, 3 Watt

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Features

- Ultra wide 4:1 input range
- Fully regulated outputs
- I/O isolation 1500VDC
- Operating temperature range -40°C to +85°C
- Input filter to meet EN55022 class A
- Short circuit protection
- Remote ON/OFF



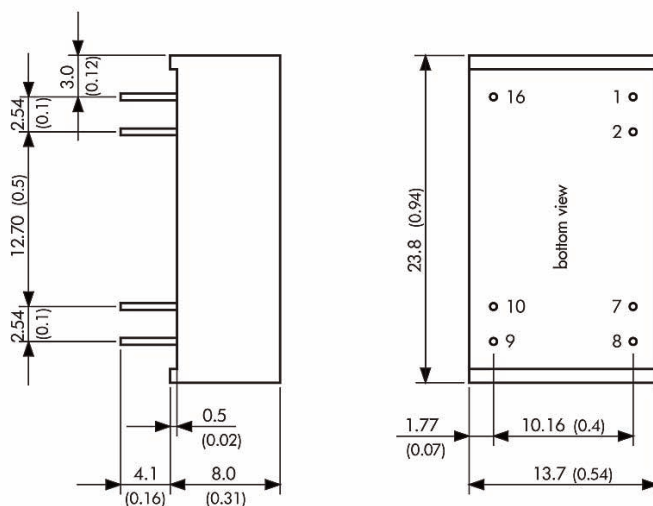
Electrical Specification

Conducted EMI	EN55022 class A & FCC level A (internal filter)
Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +85°C (derate at 3.5%/°C above 70°C)
I/O Isolation test voltage	1500VDC
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1
Casing	epoxy moulded (UL94V-0 rated)
Remote ON/OFF	Shutdown input for low current (5mA) in standby operation

Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF. (typ.)
THL3-2410WI	9 - 36VDC	3.3VDC	600mA	60mV pk-pk max.	0.5%	0.5%	81%
THL3-2411WI		5VDC	600mA	60mV pk-pk max.	0.5%	0.5%	81%
THL3-2412WI		12VDC	250mA	60mV pk-pk max.	0.5%	0.5%	81%
THL3-2413WI		15VDC	200mA	60mV pk-pk max.	0.5%	0.5%	81%
THL3-2421WI		±5VDC	±300mA	60mV pk-pk max.	0.5%	1.0%	81%
THL3-2422WI		±12VDC	±125mA	60mV pk-pk max.	0.5%	1.0%	81%
THL3-2423WI		±15VDC	±100mA	60mV pk-pk max.	0.5%	1.0%	81%
THL3-4810WI	18 - 75VDC	3.3VDC	600mA	60mV pk-pk max.	0.5%	0.5%	81%
THL3-4811WI		5VDC	600mA	60mV pk-pk max.	0.5%	0.5%	81%
THL3-4812WI		12VDC	250mA	60mV pk-pk max.	0.5%	0.5%	81%
THL3-4813WI		15VDC	200mA	60mV pk-pk max.	0.5%	0.5%	81%
THL3-4821WI		±5VDC	±300mA	60mV pk-pk max.	0.5%	1.0%	81%
THL3-4822WI		±12VDC	±125mA	60mV pk-pk max.	0.5%	1.0%	81%
THL3-4823WI		±15VDC	±100mA	60mV pk-pk max.	0.5%	1.0%	81%

Mechanical and Connection Details



Dimensions in mm (inches)

Pin	Single Output	Dual Output
1	-Vin (GND)	-Vin (GND)
2	Remote ON/OFF	Remote ON/OFF
7	No conn.	No conn.
8	No conn.	Common
9	+Vout	+Vout
10	-Vout	-Vout
16	+Vin (Vcc)	+Vin (Vcc)