

DC-DC Converters

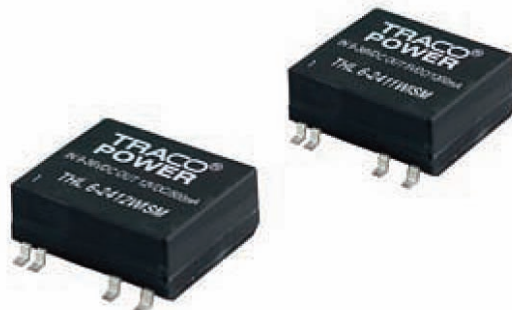
**POWER
SOLVE**

THL6WISM Series, 6 Watt

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Features

- Compact SMD plastic package
- Ultra wide 4:1 input range
- Fully regulated outputs
- I/O isolation 1500VDC
- Operating temperature range -40°C to +70°C
- Input filter to meet EN55022 class A
- Short circuit protection



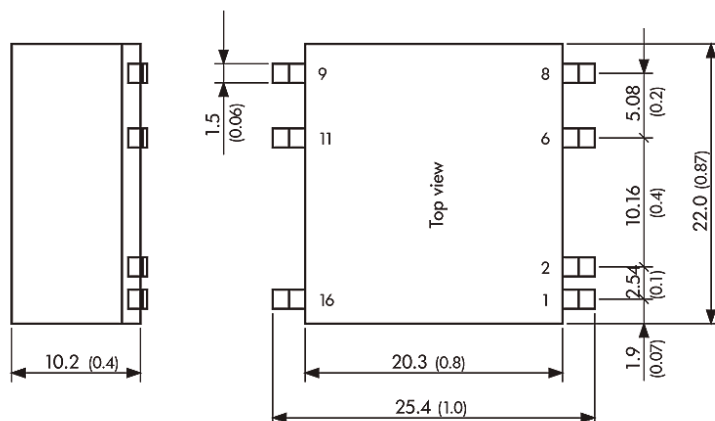
Electrical Specification

Conducted EMI	EN55022 class A & FCC level A (with external capacitor)
Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +70°C (derate at 2.5%/°C above 60°C)
I/O Isolation test voltage	1500VDC
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1, CB report
Casing	plastic (UL94V-0 rated)
Remote ON/OFF	Shutdown input for low current (10mA) in standby operation

Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF. (typ.)
THL6-2410WISM	9 - 36VDC	3.3VDC	1450mA	60mV pk-pk max.	0.5%	1.0%	83%
THL6-2411WISM		5VDC	1200mA	60mV pk-pk max.	0.5%	1.0%	83%
THL6-2412WISM		12VDC	500mA	60mV pk-pk max.	0.5%	1.0%	83%
THL6-2413WISM		15VDC	400mA	60mV pk-pk max.	0.5%	1.0%	83%
THL6-2421WISM		±5VDC	±600mA	60mV pk-pk max.	0.5%	2.0%	83%
THL6-2422WISM		±12VDC	±250mA	60mV pk-pk max.	0.5%	2.0%	83%
THL6-2423WISM		±15VDC	±200mA	60mV pk-pk max.	0.5%	2.0%	83%
THL6-4810WISM	18 - 75VDC	3.3VDC	1450mA	60mV pk-pk max.	0.5%	1.0%	83%
THL6-4811WISM		5VDC	1200mA	60mV pk-pk max.	0.5%	1.0%	83%
THL6-4812WISM		12VDC	500mA	60mV pk-pk max.	0.5%	1.0%	83%
THL6-4813WISM		15VDC	400mA	60mV pk-pk max.	0.5%	1.0%	83%
THL6-4821WISM		±5VDC	±600mA	60mV pk-pk max.	0.5%	2.0%	83%
THL6-4822WISM		±12VDC	±250mA	60mV pk-pk max.	0.5%	2.0%	83%
THL6-4823WISM		±15VDC	±200mA	60mV pk-pk max.	0.5%	2.0%	83%

Mechanical and Connection Details



Dimensions in mm (inches)

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