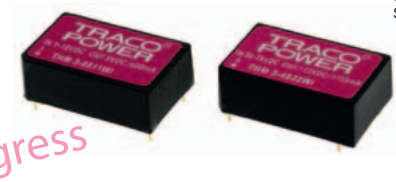
THM-3WI Series ► 3W

Reinforced Insulation **DC/DC Converter**

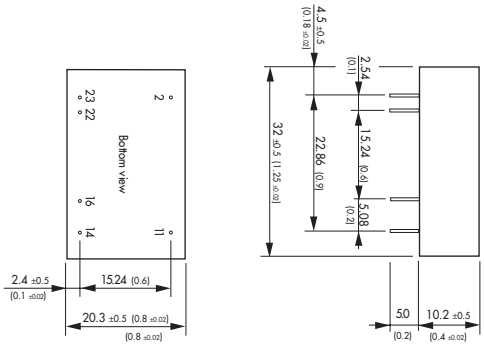
- Ultra wide 4:1 input voltage range
- I/O isolation voltage 5000 VACrms reinforced insulation
- Rated for working voltage 250 VAC
- Medical safety to IEC/EN60601-1 3rd edition, 2 x MOPP
- Very high efficiency up to 87 %
- Input filter meet EN 55022, class A



Full datasheet in progress

Specifications

Line regulation	0.5 % max.
Load regulation	single output models: 0.2 % max. dual output models: 1 % max.
Conducted EMI	EN 55022, class A (internal filter)
Efficiency	85 % typ.
Operating temperature	−40 °C to +85 °C (with derating, tba)
Safety standards/ approvals (pending)	IEC/EN60601-1 3rd edition, 2 x MOPP, UL 60601-1
I/O isolation voltage	5000VAC (60 sec.), reinforced insulation rated for 250VAC working voltage, clearance/creepage 8mm
I/O isolation capacitance	17pF max.
Full datasheet	www.tracopower.com/products/thm3wi.pdf



Pin-Out		
Pin	**Single**	**Dual**
2	-Vin(GND)	-Vin(GND)
11	No con.	-Vout
14	+Vout	+Vout
16	-Vout	Common
22	+Vin(Vcc)	+Vin(Vcc)
23	+Vin(Vcc)	+Vin(Vcc)

Models

Order code	Input voltage	Output voltage	Output current max.
THM 3-0510WI		3.3 VDC	1000 mA
THM 3-0511WI		5 VDC	600 mA
THM 3-0512WI		12 VDC	250 mA
THM 3-0513WI	4.5-9 VDC	15 VDC	200 mA
THM 3-0515WI		24 VDC	125 mA
THM 3-0521WI		± 5 VDC	± 300 mA
THM 3-0522WI		± 12 VDC	± 125 mA
THM 3-0523WI		± 15 VDC	± 100 mA
THM 3-2410WI		3.3 VDC	1000 mA
THM 3-2411WI		5 VDC	600 mA
THM 3-2412WI		12 VDC	250 mA
THM 3-2413WI	9-36 VDC	15 VDC	200 mA
THM 3-2415WI		24 VDC	125 mA
THM 3-2421WI		± 5 VDC	± 300 mA
THM 3-2422WI		± 12 VDC	± 125 mA
THM 3-2423WI		± 15 VDC	± 100 mA
THM 3-4810WI		3.3 VDC	1000 mA
THM 3-4811WI		5 VDC	600 mA
THM 3-4812WI		12 VDC	250 mA
THM 3-4813WI	18-75 VDC	15 VDC	200 mA
THM 3-4815WI		24 VDC	125 mA
THM 3-4821WI		± 5 VDC	± 300 mA
THM 3-4822WI		± 12 VDC	± 125 mA
THM 3-4823WI		± 15 VDC	± 100 mA

TMR-6WI Series ► 6W

DC/DC Converter

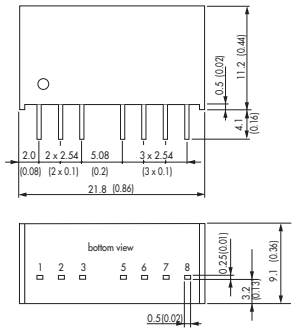
pending

- Highest power density in SIP package
- Smallest footprint 6W converter
- Operating temperature -40 to +71 °C without derating
- Ultra wide 4:1 input range
- Fully regulated outputs
- I/O isolation 1500 VDC
- No minimum load required

Full datasheet in progress

Specifications

Line regulation	0.2 % max.
Load regulation	0.5 % max. ; 1 % max. for dual output models
Efficiency	83 % typ.
Operating temperature	−40 °C to +71 °C (without derating)
I/O isolation voltage	1500VDC (60 sec.)
Remote On/Off	shutdown input for low input current (2.5mA) in standby operation
Full datasheet	www.tracopower.com/products/tmr6wi.pdf



Pin-Out		
Pin	**Single**	**Dual**
1	-Vin(GND)	-Vin(GND)
2	+Vin(Vcc)	+Vin(Vcc)
3	Remote On/Off	Remote On/Off
5	No con.	No con.
6	+Vout	+Vout
7	-Vout	Common
8	No con.	-Vout

Models

Order code	Input voltage	Output voltage	Output current max.
TMR 6-2410WI		3.3 VDC	1500 mA
TMR 6-2411WI		5 VDC	1200 mA
TMR 6-2419WI		9 VDC	666 mA
TMR 6-2412WI	9-36 VDC	12 VDC	500 mA
TMR 6-2413WI		15 VDC	400 mA
TMR 6-2415WI		24 VDC	250 mA
TMR 6-2421WI		± 5 VDC	± 600 mA
TMR 6-2422WI		± 12 VDC	± 250 mA
TMR 6-2423WI		± 15 VDC	± 200 mA
TMR 6-4810WI		3.3 VDC	1500 mA
TMR 6-4811WI		5 VDC	1200 mA
TMR 6-4819WI		9 VDC	666 mA
TMR 6-4812WI	18-75 VDC	12 VDC	500 mA
TMR 6-4813WI		15 VDC	400 mA
TMR 6-4815WI		24 VDC	250 mA
TMR 6-4821WI		± 5 VDC	± 600 mA
TMR 6-4822WI		± 12 VDC	± 250 mA
TMR 6-4823WI		± 15 VDC	± 200 mA