

# THN-30WI Series ▶ 30 W



- ▶ Highest power density 30 W converter
- ▶ 1" x 1" x 0.4" shielded metal package
- ▶ Ultra wide 4:1 input voltage range
- ▶ Very high efficiency up to 91 %
- ▶ Low input current at no load
- ▶ High efficiency accross load range
- ▶ Operating temperature range -40 °C to +80 °C
- ▶ Over-temperature protection
- ▶ I/O-isolation 1500 VDC
- ▶ Remote On/Off
- ▶ Adjustable output voltage

Full datasheet in progress



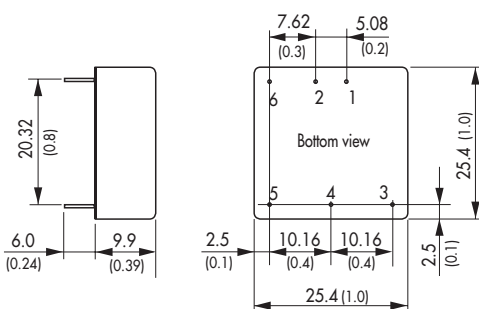
**NEW**  
Product

Specifications	
Line regulation	- Single output models: 0.2% max. - Dual output models: 0.5% max.
Load regulation	- Single output models: 0.2% max. - Dual output models: 1.0% max.
Output voltage adjustment	12 & 15 VDC models: +20 / -10% other single output models: ±10% by external resistor
Ripple & noise	<100 mVpk-pk (20MHz BW)
Conducted EMI	EN 55022, class A and FCC, level A (with external capacitor and inductor)
Short circuit protection	continuous, automatic recovery
Efficiency	90% typ.
Operating temperature range	-40 °C to +80 °C above 55 °C derating 2.4%/K
Thermal protection	shutdown at 115 °C
I/O isolation voltage	1500 VDC (60 sec.)
Safety standards / approvals	cUL/UL 60950-1, IEC/EN 60950-1 (reports pending)
Remote On/Off	shutdown input for low input current (2 mA) in standby operation
Casing	6-side shielded metal, with insulated baseplate
Full datasheet	<a href="http://www.tracopower.com/products/thn30wi.pdf">www.tracopower.com/products/thn30wi.pdf</a>

Models			
Order code	Input voltage	Output voltage	Output current max.
THN 30-2410WI		3.3 VDC	7000 mA
THN 30-2411WI		5.0 VDC	6000 mA
THN 30-2412WI		12 VDC	2500 mA
THN 30-2413WI	9 – 36 VDC	15 VDC	2000 mA
THN 30-2415WI		24 VDC	1250 mA
THN 30-2422WI		±12 VDC	±1250 mA
THN 30-2423WI		±15 VDC	±1000 mA
THN 30-4810WI		3.3 VDC	7000 mA
THN 30-4811WI		5.0 VDC	6000 mA
THN 30-4812WI		12 VDC	2500 mA
THN 30-4813WI	18 – 75 VDC	15 VDC	2000 mA
THN 30-4815WI		24 VDC	1250 mA
THN 30-4822WI		±12 VDC	±1250 mA
THN 30-4823WI		±15 VDC	±1000 mA

Optional heatsink: **THN-HS1**

## Dimensions



() = Inches

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