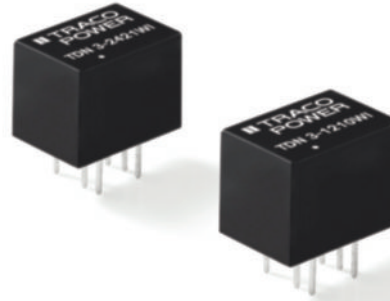


DC/DC Converter

TDN 3WI Series, 3 Watt

- Ultra compact DIP package
13,2 × 9,1 × 10,2 mm
- I/O-isolation 1'600 VDC
- Fully regulated outputs
- Operating temperature range
-40°C to +70°C without derating
- Short circuit protection
- Remote On/Off
- 3-year product warranty



Also see:

TDN 3WISM, SMD version

www.tracopower.com/products/tdn3wism.pdf

The TDN 3WI series with 4:1 input voltage range is a selection of 3 Watt regulated dc/dc-converters. They come in a very compact DIP package (13.2 × 9.1 × 10.2 mm).

Models				
Order code	Input voltage	Output voltage	Output current max.	Efficiency typ.
TDN 3-1210WI	4.5 – 18 VDC (12 VDC nominal)	3.3 VDC	700 mA	76 %
TDN 3-1211WI		5.0 VDC	600 mA	80 %
TDN 3-1212WI		12 VDC	250 mA	83 %
TDN 3-1213WI		15 VDC	200 mA	84 %
TDN 3-1215WI		24 VDC	125 mA	82 %
TDN 3-1221WI		±5.0 VDC	±300 mA	80 %
TDN 3-1222WI		±12 VDC	±125 mA	82 %
TDN 3-1223WI		±15 VDC	±100 mA	82 %
TDN 3-2410WI	9 – 36 VDC (24 VDC nominal)	3.3 VDC	700 mA	77 %
TDN 3-2411WI		5.0 VDC	600 mA	80 %
TDN 3-2412WI		12 VDC	250 mA	83 %
TDN 3-2413WI		15 VDC	200 mA	83 %
TDN 3-2415WI		24 VDC	125 mA	82 %
TDN 3-2421WI		±5.0 VDC	±300 mA	80 %
TDN 3-2422WI		±12 VDC	±125 mA	82 %
TDN 3-2423WI		±15 VDC	±100 mA	82 %
TDN 3-4810WI	18 – 75 VDC (48 VDC nominal)	3.3 VDC	700 mA	77 %
TDN 3-4811WI		5.0 VDC	600 mA	80 %
TDN 3-4812WI		12 VDC	250 mA	83 %
TDN 3-4813WI		15 VDC	200 mA	83 %
TDN 3-4815WI		24 VDC	125 mA	82 %
TDN 3-4821WI		±5.0 VDC	±300 mA	80 %
TDN 3-4822WI		±12 VDC	±125 mA	82 %
TDN 3-4823WI		±15 VDC	±100 mA	82 %

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TRACO POWER

- Ultra compact DIP package
13,2 × 9,1 × 10,2 mm
- I/O-isolation 1'600 VDC
- Fully regulated outputs
- Operating temperature range
-40°C to +70°C without derating
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- Remote On/Off
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TDN 3WI Series, 3 Watt

Power Sources Unlimited, Inc.
200 Stonewall Boulevard, Suite 4
Wrentham, MA 02093-2210
WWW.PSUI.COM

1-800-966-PSUI (7784)
Outside U.S. 508-384-1419
Fax: 508-384-1896
info@psui.com

**POWER
WITHOUT
LIMITS**

General Specifications

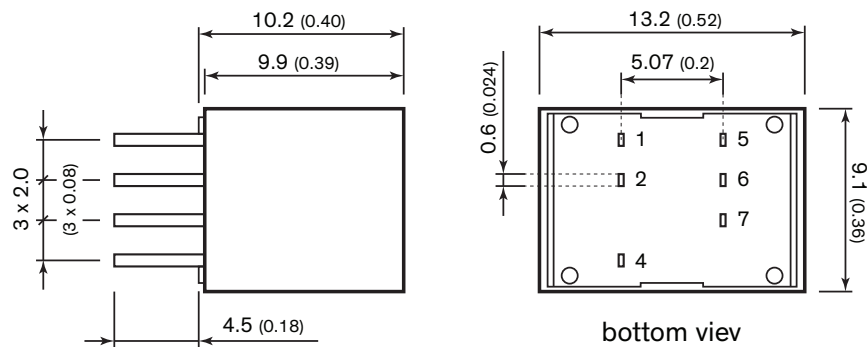
Reliability, calculated MTBF (MIL-HDBK-217F at +25°C, ground benign)	5'627'000 h
Switching frequency	100 kHz min. Pulse frequency modulation.
Thermal shock & vibration	MIL-STD-810F
Remote On/Off	-On: open circuit or high impedance -Off: 2 – 4 mA current applied via 1kOhm resistor -Off idle current: 2.5 mA max.
Environmental compliance	- Reach www.tracopower.com/products/reach-declaration.pdf - RoHS RoHS directive 2011/65/EU

Physical Specifications

Casing material	non-conducting FR4 (UL 94V-0 rated)
Potting material	Silicone (UL 94V-0 rated)
Pin material	tinned copper
Package weight	2.7g (0.10oz)
Soldering temperature	max. 260°C / 10 sec.

Supporting Documents: www.tracopower.com/overview/tdn3wi

Outline Dimensions



Pin-Out		
Pin	Single	Dual
1	+Vin (Vcc)	+Vin (Vcc)
2	-Vin (GND)	-Vin (GND)
4	On/Off	On/Off
5	no con.	-Vout
6	-Vout	Common
7	+Vout	+Vout

Dimensions in [mm], () = Inch
 Tolerances: x.x ±0.5 (±0.02)
 Pin pitch tolerances ±0.25 (±0.01)
 pin dimension tolerance ±0.1 (±0.004)

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