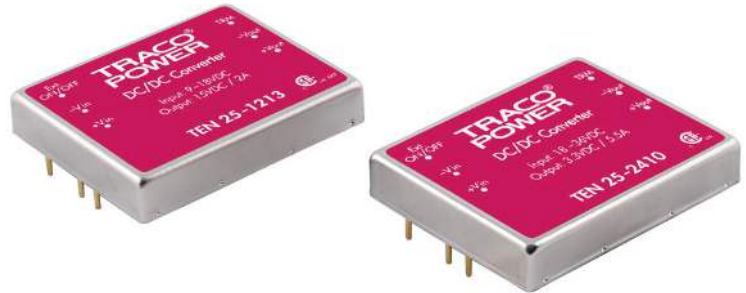


Features

- ◆ Wide 2:1 input range
- ◆ Very high efficiency up to 89%
- ◆ Extended operating temperature range –40°C to +85°C
- ◆ Adjustable output voltage
- ◆ Remote On/ Off
- ◆ Continuous short circuit protection
- ◆ Over voltage protection
- ◆ I/ O isolation 1500 VDC
- ◆ Input filter meets EN 55022, Class A and FCC, Level A without external components
- ◆ Lead free design - RoHS compliant
- ◆ 3-year product warranty



The TEN 25 series is a range of isolated DC/DC converters with high power density in a 51x41x9.5mm shielded metal case. All 18 models have a wide 2:1 input voltage range. The very high efficiency allows a safe operating temperature range of –40°C to +85°C. Other features are internal EMI-filter to meet EN55022, class A and remote On/Off. Typical applications for these converter modules are industrial electronics, communication systems, battery operated equipment and distributed power systems.

Models				
Ordercode	Input voltage range	Output voltage	Output current max.	Efficiency typ.
TEN 25-1210	9 – 18 VDC (12 VDC nominal)	3.3 VDC	5'500 mA	81 %
TEN 25-1211		5 VDC	5'000 mA	84 %
TEN 25-1212		12 VDC	2'500 mA	88 %
TEN 25-1213		15 VDC	2'000 mA	88 %
TEN 25-1222		±12 VDC	±1'250 mA	88 %
TEN 25-1223		±15 VDC	±1'000 mA	88 %
TEN 25-2410	18 – 36 VDC (24 VDC nominal)	3.3 VDC	5'500 mA	82 %
TEN 25-2411		5 VDC	5'000 mA	85 %
TEN 25-2412		12 VDC	2'500 mA	89 %
TEN 25-2413		15 VDC	2'000 mA	89 %
TEN 25-2422		±12 VDC	±1'250 mA	89 %
TEN 25-2423		±15 VDC	±1'000 mA	89 %
TEN 25-4810	36 – 75 VDC (48 VDC nominal)	3,3 VDC	5'500 mA	82 %
TEN 25-4811		5 VDC	5'000 mA	85 %
TEN 25-4812		12 VDC	2'500 mA	89 %
TEN 25-4813		15 VDC	2'000 mA	89 %
TEN 25-4822		±12 VDC	±1'250 mA	89 %
TEN 25-4823		±15 VDC	±1'000 mA	89 %

Input Specifications

Input current no load		12 Vin models: 40 mA max. 24 Vin models: 20 mA max. 48 Vin models: 10 mA max.
Input current (full load)	12 Vin; 12 Vin; 24 Vin; 24 Vin; 48 Vin; 48 Vin;	3.3/ 5 VDC models: 1870 mA typ. / 2480 mA typ. other output models: 2840 mA typ. 3.3/ 5 VDC models: 920 mA typ. / 1220 mA typ. other output models: 1400 mA typ. 3.3/ 5 VDC models: 460 mA typ. / 610 mA typ. other output models: 700 mA typ.
Start-up voltage / under voltage shut down		12 Vin models: 8.8 VDC / 8.3 VDC typ. 24 Vin models: 17.5 VDC / 16.5 VDC typ. 48 Vin models:

Physical Specifications

Casing material	copper, nickel plated
Baseplate	non conductive FR4
Potting material	silicon rubber (UL 94 V-0 rated)
Weight	48 g (1.69 oz)
Soldering temperature	max. 265°C / 10 sec.
Thermal Impedance	12.5 K/W typ. 10.2 K/W typ. (with Heatsink)
Environmental compliance	- Reach - RoHS www.tracopower.com/info/reach-declaration.pdf

Specifications can be changed without notice! Make sure you are using the latest documentation, downloadable at www.tracopower.com