

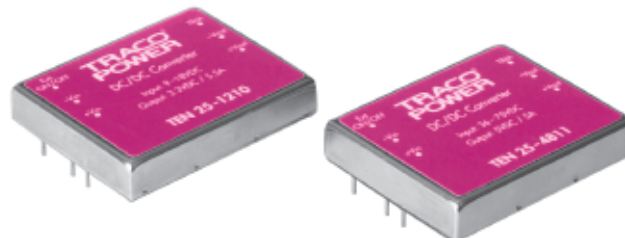
DC/DC Converters

**POWER
SOLVE**

www.powersolve.co.uk

TEN 25 Series, 25/30 Watt

- = 51x41x9.3 mm Package
- = Wide 2:1 Input Range
- = Very high Efficiency up to 89%
- = Operating Temperature Range -40°C to $+85^{\circ}\text{C}$
- = I/O Isolation 1500 VDC
- = Short Circuit Protection
- = Input Filter to meet EN 55022, Class A
- = Remote On/Off
- = Adjustable Output Voltage
- = Industry Standard Pinout



Line regulation:	$\pm 0.3\%$ max.
Load regulation:	– Single output models: $\pm 0.5\%$ max. – Dual output models: $\pm 1.0\%$ max.
Output voltage adjustment:	$\pm 10\%$ (by external resistor)
Ripple & Noise:	< 80 mVpk-pk (20 MHz BW)
Conducted EMI:	EN 55022, class A and FCC, level A (internal filter)
Short circuit protection:	continuous, automatic recovery
Efficiency:	88% typ.
Operating temperature range:	-40°C ... $+85^{\circ}\text{C}$ above 60°C derating 2.5%/°C
I/O isolation voltage:	1500 VDC
Safety standards / approvals:	cUL/UL 60950, IEC/EN 60950
Case:	metal, 6-side shielded with insulated baseplate
Remote On/Off:	shutdown input for low input current (5 mA) in standby operation

Models			
Order Code	Input voltage	Output voltage	Output current max.
TEN 25-1210	9 – 18 VDC	3.3 VDC	5500 mA
TEN 25-1211		5 VDC	5000 mA
TEN 25-1212		12 VDC	2500 mA
TEN 25-1213		15 VDC	2000 mA
TEN 25-1222		± 12 VDC	± 1250 mA
TEN 25-1223		± 15 VDC	± 1000 mA
TEN 25-2410	18 – 36 VDC	3.3 VDC	5500 mA
TEN 25-2411		5 VDC	5000 mA
TEN 25-2412		12 VDC	2500 mA
TEN 25-2413		15 VDC	2000 mA
TEN 25-2422		± 12 VDC	± 1250 mA
TEN 25-2423		± 15 VDC	± 1000 mA
TEN 25-4810	36 – 75 VDC	3.3 VDC	5500 mA
TEN 25-4811		5 VDC	5000 mA
TEN 25-4812		12 VDC	2500 mA
TEN 25-4813		15 VDC	2000 mA
TEN 25-4822		± 12 VDC	± 1250 mA
TEN 25-4823		± 15 VDC	± 1000 mA

Pin-Out		
Pin	Single Output	Dual Output
1	+ Vin (Vcc)	+ Vin (Vcc)
2	– Vin (GND)	– Vin (GND)
3	Remote On/Off	Remote On/Off
4	No pin	+ Vout
5	+ Vout	Common
6	– Vout	– Vout
7	Trim	Trim

