

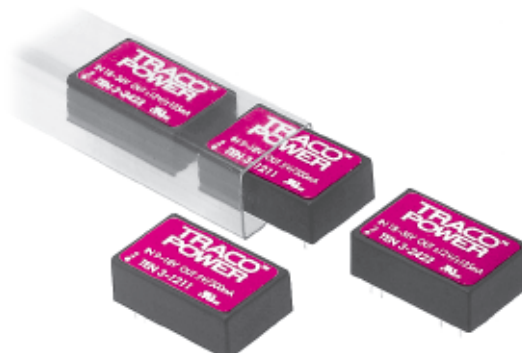
DC/DC Converters

**POWER
SOLVE**

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TEN 3 Series, 3 Watt

- = DIL-24 Plastic Package
- = Wide 2:1 Input Range
- = I/O Isolation 1500 VDC
- = Operating Temperature Range -40°C to $+85^{\circ}\text{C}$
- = Short Circuit Protection
- = Input Filter to meet EN 55022, Class A
- = Industry Standard Pinout



Line regulation:	$\pm 0.5\%$ max.
Load regulation:	– Single output models: $\pm 0.5\%$ max – Dual output models: $\pm 1.0\%$ max.
Ripple & Noise:	< 50 mVpk-pk (20 MHz BW)
Conducted EMI:	EN 55022, class A and FCC, level A (internal filter)
Short circuit protection:	continuous, automatic recovery
Efficiency:	80% typ.
Operating temperature range:	-40°C ... $+85^{\circ}\text{C}$ above 70°C derating 3%/ $^{\circ}\text{C}$
I/O isolation voltage:	1500 VDC
Safety standards / approvals:	cUL/UL 60950, IEC/EN 60950
Case:	plastic (UL 94V-O rating)

Models			
Order Code	Input voltage	Output voltage	Output current max.
TEN 3-0510	4.5 – 9 VDC	3.3 VDC	600 mA
TEN 3-0511		5 VDC	500 mA
TEN 3-0512		12 VDC	250 mA
TEN 3-0513		15 VDC	200 mA
TEN 3-0521		± 5 VDC	± 250 mA
TEN 3-0522		± 12 VDC	± 125 mA
TEN 3-0523		± 15 VDC	± 100 mA
TEN 3-1210	9 – 18 VDC	3.3 VDC	600 mA
TEN 3-1211		5 VDC	500 mA
TEN 3-1212		12 VDC	250 mA
TEN 3-1213		15 VDC	200 mA
TEN 3-1221		± 5 VDC	± 250 mA
TEN 3-1222		± 12 VDC	± 125 mA
TEN 3-1223		± 15 VDC	± 100 mA
TEN 3-2410	18 – 36 VDC	3.3 VDC	600 mA
TEN 3-2411		5 VDC	500 mA
TEN 3-2412		12 VDC	250 mA
TEN 3-2413		15 VDC	200 mA
TEN 3-2421		± 5 VDC	± 250 mA
TEN 3-2422		± 12 VDC	± 125 mA
TEN 3-2423		± 15 VDC	± 100 mA
TEN 3-4810	36 – 72 VDC	3.3 VDC	600 mA
TEN 3-4811		5 VDC	500 mA
TEN 3-4812		12 VDC	250 mA
TEN 3-4813		15 VDC	200 mA
TEN 3-4821		± 5 VDC	± 250 mA
TEN 3-4822		± 12 VDC	± 125 mA
TEN 3-4823		± 15 VDC	± 100 mA

Pin-Out		
Pin	Single Output	Dual Output
2	– Vin (GND)	– Vin (GND)
3	– Vin (GND)	– Vin (GND)
9	No pin	Common
11	No con.	– Vout
14	+ Vout	+ Vout
16	– Vout	Common
22	+ Vin (Vcc)	+ Vin (Vcc)
23	+ Vin (Vcc)	+ Vin (Vcc)

