

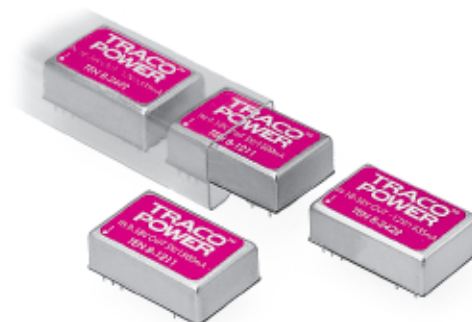
DC/DC Converters

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TEN 8 Series, 8 Watt

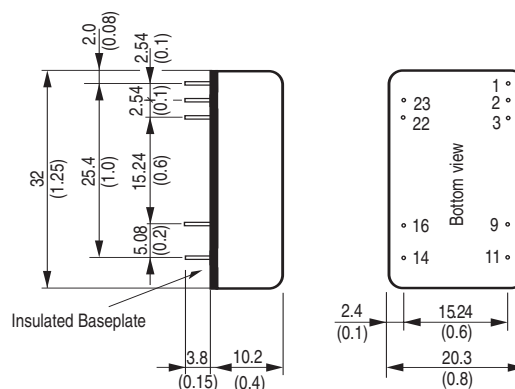
- = High Power Density in DIL-24 Metal Package
- = Wide 2:1 Input Range
- = High Efficiency up to 85%
- = Operating Temperature Range -40°C to $+85^{\circ}\text{C}$
- = I/O Isolation 1500 VDC
- = Short Circuit Protection
- = Input Filter to meet EN 55022, Class A
- = Remote On/Off
- = Industry Standard Pinout



Line regulation:	$\pm 0.2\%$ max.
Load regulation:	– Single output models: $\pm 0.2\%$ 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:	83% typ.
Operating temperature range:	-40°C ... $+85^{\circ}\text{C}$ above 60°C derating 2%/°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 (2.5 mA) in standby operation

Models			
Order Code	Input voltage	Output voltage	Output current max.
TEN 8-1210	9 – 18 VDC	3.3 VDC	2000 mA
TEN 8-1211		5 VDC	1500 mA
TEN 8-1212		12 VDC	665 mA
TEN 8-1213		15 VDC	535 mA
TEN 8-1221		± 5 VDC	± 800 mA
TEN 8-1222		± 12 VDC	± 335 mA
TEN 8-1223		± 15 VDC	± 265 mA
TEN 8-2410	18 – 36 VDC	3.3 VDC	2000 mA
TEN 8-2411		5 VDC	1500 mA
TEN 8-2412		12 VDC	665 mA
TEN 8-2413		15 VDC	535 mA
TEN 8-2421		± 5 VDC	± 800 mA
TEN 8-2422		± 12 VDC	± 335 mA
TEN 8-2423		± 15 VDC	± 265 mA
TEN 8-4810	36 – 75 VDC	3.3 VDC	2000 mA
TEN 8-4811		5 VDC	1500 mA
TEN 8-4812		12 VDC	665 mA
TEN 8-4813		15 VDC	535 mA
TEN 8-4821		± 5 VDC	± 800 mA
TEN 8-4822		± 12 VDC	± 335 mA
TEN 8-4823		± 15 VDC	± 265 mA

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



() = Inches

Pin $\varnothing$ 0.5 mm (0.02)