

DC/DC Converters

**POWER
SOLVE**

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TEN 15 Series, 15 Watt

- = 51x25x10 mm Metal Package
- = Wide 2:1 Input Range
- = Very high Efficiency up to 86%
- = Operating Temperature Range -40°C to +85°C
- = I/O Isolation 1500 VDC
- = Short Circuit Protection
- = Input Filter to meet EN 55022, Class A
- = Industry Standard Pinout



Line regulation:	±1.0% max.
Load regulation:	– Single output models: ±1.0% max. – Dual output models: ±2.0% max.
Ripple & Noise:	– Single output models: <50 mVpk-pk (20 MHz BW) – Dual output models: <75 mVpk-pk (20 MHz BW)
Conducted EMI:	EN 55022, class A and FCC, level A (internal filter)
Short circuit protection:	continuous, automatic recovery
Efficiency:	84% typ. 3.3 V models: 80% typ.
Operating temperature range:	-40°C ... +85°C (3.3 V models derate 2.5%/°C above 60°C)
I/O isolation voltage:	1500 VDC
Safety standards / approvals:	cUL/UL 60950, IEC/EN 60950
Case:	metal, 6-side shielded with insulated baseplate

Models			
Order Code	Input voltage	Output voltage	Output current max.
TEN 15-1210	9 – 18 VDC	3.3 VDC	4000 mA
TEN 15-1211		5 VDC	3000 mA
TEN 15-1212		12 VDC	1250 mA
TEN 15-1213		15 VDC	1000 mA
TEN 15-1221		±5 VDC	±1500 mA
TEN 15-1222		±12 VDC	±625 mA
TEN 15-1223		±15 VDC	±500 mA
TEN 15-2410	18 – 36 VDC	3.3 VDC	4000 mA
TEN 15-2411		5 VDC	3000 mA
TEN 15-2412		12 VDC	1250 mA
TEN 15-2413		15 VDC	1000 mA
TEN 15-2421		±5 VDC	±1500 mA
TEN 15-2422		±12 VDC	±625 mA
TEN 15-2423		±15 VDC	±500 mA
TEN 15-4810	36 – 75 VDC	3.3 VDC	4000 mA
TEN 15-4811		5 VDC	3000 mA
TEN 15-4812		12 VDC	1250 mA
TEN 15-4813		15 VDC	1000 mA
TEN 15-4821		±5 VDC	±1500 mA
TEN 15-4822		±12 VDC	±625 mA
TEN 15-4823		±15 VDC	±500 mA

Pin-Out		
Pin	Single Output	Dual Output
1	+ Vin (Vcc)	+ Vin (Vcc)
2	- Vin (GND)	- Vin (GND)
3	+ Vout	+ Vout
4	No pin	Common
5	- Vout	- Vout

