

DC/DC Converters

TEN 12WI Series, 12 Watt

- = 51x25x10 mm Metal Package
- = Ultrawide 4:1 Input Range
- = Very high Efficiency up to 84%
- = Operating Temperature Range -40°C to +85°C
- = I/O Isolation 1500 VDC
- = Short Circuit Protection
- = Input Filter to meet EN 55022, Class A
- = Remote On/Off (option)
- = Industry Standard Pinout



Line regulation	±0.5% max.
Load regulation:	-Single output models: ±0.5% max. -Dual output models: ±0.5% 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. 3.3 VDC models
Operating temperature range:	-40°C ... +85°C above 60°C derating 2%/°C
I/O isolation voltage:	1500 VDC
Safety standards:	cUL/UL 60950, IEC/EN 60950
Case:	metal, 6-side shielded with insulated baseplate
Option:	shutdown input for low input current (10 mA) in standby operation

Models			
Order Code	Input voltage	Output voltage	Output current max.
TEN 12-2410	9 – 36 VDC	3.3 VDC	2400 mA
TEN 12-2411		5 VDC	2000 mA
TEN 12-2412		12 VDC	1000 mA
TEN 12-2413		15 VDC	800 mA
TEN 12-2421		±5 VDC	±1000 mA
TEN 12-2422		±12 VDC	±500 mA
TEN 12-2423		±15 VDC	±400 mA
TEN 12-4810		18 – 75 VDC	3.3 VDC
TEN 12-4811	5 VDC		2000 mA
TEN 12-4812	12 VDC		1000 mA
TEN 12-4813	15 VDC		800 mA
TEN 12-4821	±5 VDC		±1000 mA
TEN 12-4822	±12 VDC		±500 mA
TEN 12-4823	±15 VDC		±400 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
6	Remote On/Off (option)	Remote On/Off (option)

