

TEN 30 Series ▶ 30 W



- ▶ Smallest encapsulated 30 W converter
- ▶ 2" x 1" x 0.4" shielded metal package
- ▶ Wide 2:1 input voltage range
- ▶ Very high efficiency up to 90 %
- ▶ Operating temperature range $-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$
- ▶ I/O isolation 1500 VDC
- ▶ Short circuit protection
- ▶ Remote On/Off
- ▶ Adjustable output voltage



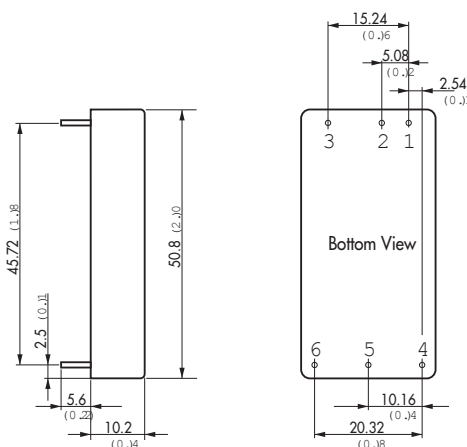
Specifications

Line regulation	0.2% max.
Load regulation	- Single output models: 0.5% max. - Dual output models: 1.0% max.
Output voltage adjustment	$\pm 10\%$ by external resistor (single output models only)
Ripple & noise	- Single output models: $<75\text{ mVpk-pk}$ (20 MHz BW) - Dual output models: $<100\text{ mVpk-pk}$ (20 MHz BW)
Conducted EMI	EN 55022, class A and FCC, level A (with external capacitor)
Short circuit protection	continuous, automatic recovery
Efficiency	89% typ.
Operating temperature range	$-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$ above $60\text{ }^{\circ}\text{C}$ derating 3.3%/K
I/O isolation test voltage	1500 VDC
Safety standards	cUL/UL 60950-1, IEC/EN 60950-1
Case	metal, 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 30-1207		1.5 VDC	8000 mA
TEN 30-1209		2.5 VDC	8000 mA
TEN 30-1210		3.3 VDC	8000 mA
TEN 30-1211		5.1 VDC	6000 mA
TEN 30-1212	9 – 18 VDC	12 VDC	2500 mA
TEN 30-1213		15 VDC	2000 mA
TEN 30-1221		$\pm 5\text{ VDC}$	$\pm 3000\text{ mA}$
TEN 30-1222		$\pm 12\text{ VDC}$	$\pm 1250\text{ mA}$
TEN 30-1223		$\pm 15\text{ VDC}$	$\pm 1000\text{ mA}$
TEN 30-2407		1.5 VDC	8000 mA
TEN 30-2409		2.5 VDC	8000 mA
TEN 30-2410		3.3 VDC	8000 mA
TEN 30-2411		5.1 VDC	6000 mA
TEN 30-2412	18 – 36 VDC	12 VDC	2500 mA
TEN 30-2413		15 VDC	2000 mA
TEN 30-2421		$\pm 5\text{ VDC}$	$\pm 3000\text{ mA}$
TEN 30-2422		$\pm 12\text{ VDC}$	$\pm 1250\text{ mA}$
TEN 30-2423		$\pm 15\text{ VDC}$	$\pm 1000\text{ mA}$
TEN 30-4807		1.5 VDC	8000 mA
TEN 30-4809		2.5 VDC	8000 mA
TEN 30-4810		3.3 VDC	8000 mA
TEN 30-4811		5.1 VDC	6000 mA
TEN 30-4812	36 – 75 VDC	12 VDC	2500 mA
TEN 30-4813		15 VDC	2000 mA
TEN 30-4821		$\pm 5\text{ VDC}$	$\pm 3000\text{ mA}$
TEN 30-4822		$\pm 12\text{ VDC}$	$\pm 1250\text{ mA}$
TEN 30-4823		$\pm 15\text{ VDC}$	$\pm 1000\text{ mA}$

Dimensions



Pin	Single output	Dual output
1	+ Vin (Vcc)	+ Vin (Vcc)
2	- Vin (GND)	- Vin (GND)
3	Remote On/Off	Remote On/Off
4	+ Vout	+ Vout
5	- Vout	Common
6	Trim	- Vout

() = Inches