

DC/DC Converters

**POWER
SOLVE**

www.powersolve.co.uk

TEN 20 Series, 20 Watt

- = High Power Density in 51x25x10 mm Package
- = Wide 2:1 Input Range
- = Very high Efficiency up to 89%
- = Operating Temperature Range -40°C to +85°C
- = I/O Isolation 1500 VDC
- = Short Circuit Protection
- = Remote On/Off
- = Industry Standard Pinout



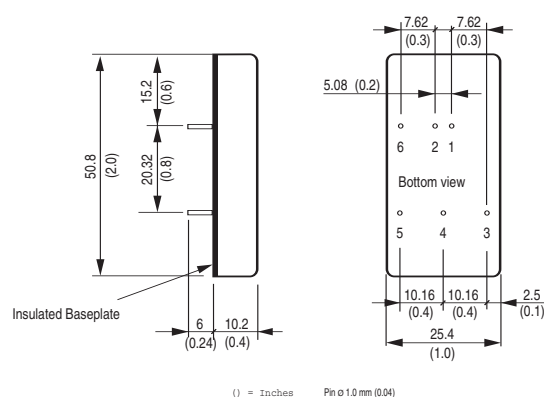
Line regulation:	±0.3% max.
Load regulation:	– Single output models: ±0.5% max. – Dual output models: ±1.0% max.
Ripple & Noise:	<80 mVpk-pk (20 MHz BW)
Conducted EMI:	EN 55022, class A and FCC, level A
Short circuit protection:	continuous, automatic recovery
Efficiency:	85% typ.
Operating temperature range:	-40°C ... +85°C above 70°C derating 3.5%/°C 5V models: above 60°C derating 4%/°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 (5 mA) in standby operation

Models

Order Code	Input voltage	Output voltage	Output current max.
TEN 20-1210	9 – 18 VDC	3.3 VDC	4000 mA
TEN 20-1211		5 VDC	4000 mA
TEN 20-1212		12 VDC	1670 mA
TEN 20-1213		15 VDC	1340 mA
TEN 20-1222		±12 VDC	±835 mA
TEN 20-1223		±15 VDC	±670 mA
TEN 20-2410	18 – 36 VDC	3.3 VDC	4000 mA
TEN 20-2411		5 VDC	4000 mA
TEN 20-2412		12 VDC	1670 mA
TEN 20-2413		15 VDC	1340 mA
TEN 20-2422		±12 VDC	±835 mA
TEN 20-2423		±15 VDC	±670 mA
TEN 20-4810	36 – 75 VDC	3.3 VDC	4000 mA
TEN 20-4811		5 VDC	4000 mA
TEN 20-4812		12 VDC	1670 mA
TEN 20-4813		15 VDC	1340 mA
TEN 20-4822		±12 VDC	±835 mA
TEN 20-4823		±15 VDC	±670 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	Remote On/Off



() = Inches Pin Ø 1.0 mm (0.04)