

DC-DC Converters

**POWER
SOLVE**

www.powersolve.co.uk

TEN 20WIN Series 20 Watt

Features

- High Power Density in 51x25x10mm Metal Package
- Ultrawide 4:1 Input Range
- High Efficiency up to 86%
- Operating Temperature Range -40°C to +85°C
- I/O Isolation 1500 VDC
- Short Circuit Protection
- Remote On/Off
- Adjustable Output Voltage
- Industry Standard Pinout



ALUS
Pending

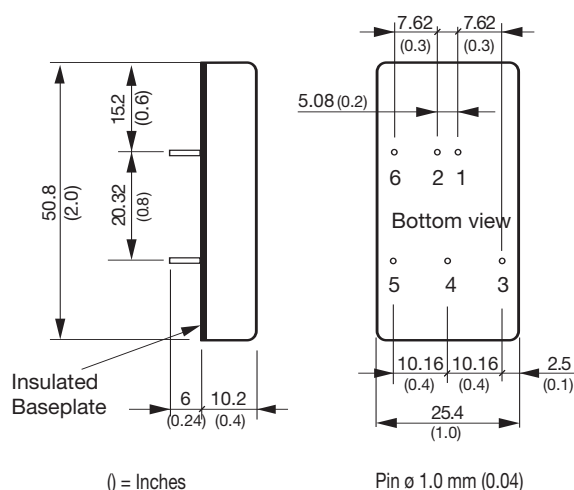
Electrical Specification

Line regulation	±0.2% max.
Load regulation	– Single output models ±0.5% max. – Dual output models ±3.0% max.
Output voltage adjustment	Single output models only: ±10% (by external resistor)
Ripple & Noise	– Single output models: <75 mVpk-pk (20 MHz BW) – Dual output models: <100 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	85% typ.
Operating temperature range	-40°C ... +85°C above 65°C derating 2.5%/°C
I/O isolation 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

Pin Connection

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

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT MAX.
TEN 20-2410WIN		3.3 VDC	5500 mA
TEN 20-2411WIN		5 VDC	4000 mA
TEN 20-2412WIN		12 VDC	1670 mA
TEN 20-2413WIN	9 – 36 VDC	15 VDC	1330 mA
TEN 20-2421WIN		±5 VDC	±2000 mA
TEN 20-2422WIN		±12 VDC	±835 mA
TEN 20-2423WIN		±15 VDC	±665 mA
TEN 20-4810WIN		3.3 VDC	5500 mA
TEN 20-4811WIN		5 VDC	4000 mA
TEN 20-4812WIN		12 VDC	1670 mA
TEN 20-4813WIN	18 – 75 VDC	15 VDC	1330 mA
TEN 20-4821WIN		±5 VDC	±2000 mA
TEN 20-4822WIN		±12 VDC	±835 mA
TEN 20-4823WIN		±15 VDC	±665 mA



Powersolve Electronics Ltd. Units 8A, Arnhem Road, Newbury, RG14 5RU. England

Tel: 01635 521858 Fax: 01635 523771 Email: sales@powersolve.co.uk