

DC/DC Converters

- ◆ High Power Density in 51x25x10 mm Package
- ◆ Ultrawide 4:1 Input Range
- ◆ High Efficiency up to 86 %
- ◆ Operating Temperature Range -40°C to $+85^{\circ}\text{C}$
- ◆ I/O Isolation 1500 VDC
- ◆ Short Circuit Protection
- ◆ Remote On/Off
- ◆ Adjustable Output Voltage
- ◆ Industry Standard Pinout

TEN 20WIN Serie, 20 Watt

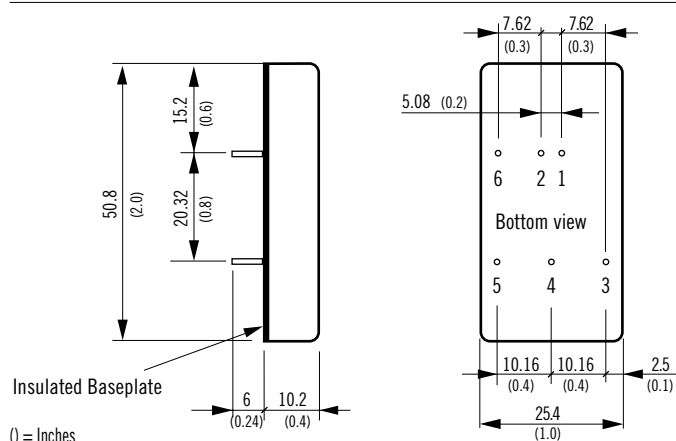


NEW
Product

cus
pending

Models			
Order code	Input voltage	Output voltage	Output current max.
TEN 20-2410WIN	9 – 36 VDC	3.3 VDC	5500 mA
TEN 20-2411WIN		5 VDC	4000 mA
TEN 20-2412WIN		12 VDC	1670 mA
TEN 20-2413WIN		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	18 – 75 VDC	3.3 VDC	5500 mA
TEN 20-4811WIN		5 VDC	4000 mA
TEN 20-4812WIN		12 VDC	1670 mA
TEN 20-4813WIN		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

Line regulation:	$\pm 0.2\%$ max.
Load regulation:	– Single output models: $\pm 0.5\%$ max. – Dual output models: $\pm 3.0\%$ max.
Output voltage adjustment:	Single output models only: $\pm 10\%$ (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 ... $+85^{\circ}\text{C}$ above 65°C derating 2.5%/K
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-Out		
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