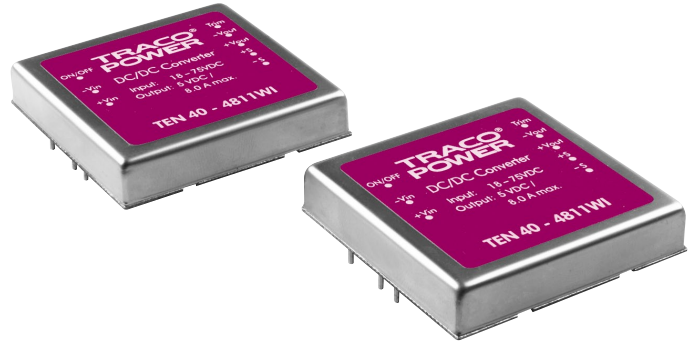


DC/DC Converters

TEN 40WI Series, 40 Watt

- ◆ Highest Power Density in 51x51x10 mm Metal Package
- ◆ Ultrawide 4:1 Input Range
- ◆ Very high Efficiency up to 88 %
- ◆ Operating Temperature Range -40°C to $+75^{\circ}\text{C}$
- ◆ Under- / Over-Voltage Lockout
- ◆ I/O Isolation 1500 VDC
- ◆ Short Circuit Protection
- ◆ Remote On/Off
- ◆ Adjustable Output Voltage

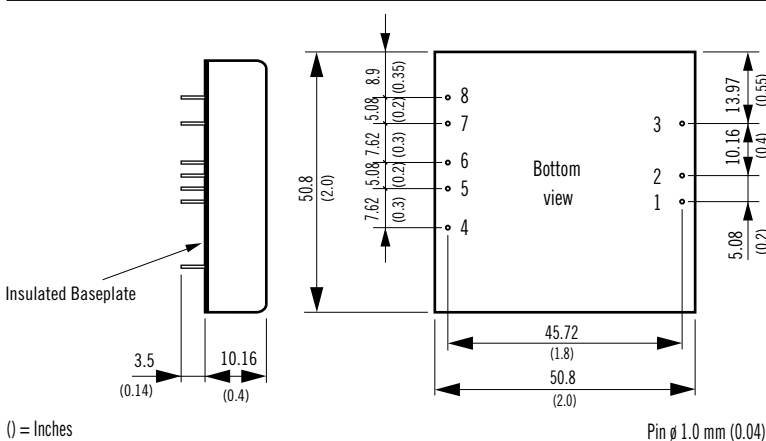


NEW
Product

cUL
us
pending

Models			
Order code	Input voltage	Output voltage	Output current max.
TEN 40-2410WI	9 – 36 VDC	3.3 VDC	10'000 mA
TEN 40-2411WI		5 VDC	8'000 mA
TEN 40-2412WI		12 VDC	3330 mA
TEN 40-2413WI		15 VDC	2660 mA
TEN 40-2422WI		± 12 VDC	± 1660 mA
TEN 40-2423WI		± 15 VDC	± 1330 mA
TEN 40-4810WI		18 – 75 VDC	3.3 VDC
TEN 40-4811WI	5 VDC		8'000 mA
TEN 40-4812WI	12 VDC		3330 mA
TEN 40-4813WI	15 VDC		2660 mA
TEN 40-4822WI	± 12 VDC		± 1660 mA
TEN 40-4823WI	± 15 VDC		± 1330 mA

- Line regulation:** $\pm 1.0\%$ max.
- Load regulation:**
 - Single output models: $\pm 0.5\%$ max.
 - Dual output models: $\pm 1.0\%$ max.
- Output voltage adjustment:** $\pm 10\%$ (by external resistor)
- Ripple & Noise:**
 - 3.3 / 5 VDC output models: < 50 mVpk-pk (20 MHz BW)
 - all other output models: < 75 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:** 86% typ.
- Operating temperature range:** -40°C ... $+85^{\circ}\text{C}$
for derating see datasheet
- I/O isolation voltage:** 1500 VDC
- Safety standards / approvals:** cUL /UL 60950-1, IEC/EN 60950-1
- Case:** metal, 6-side shielded with insulated baseplate
- Remote On/Off:** shutdown input for low input current (3 mA)
in standby operation



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

() = Inches

Pin ϕ 1.0 mm (0.04)