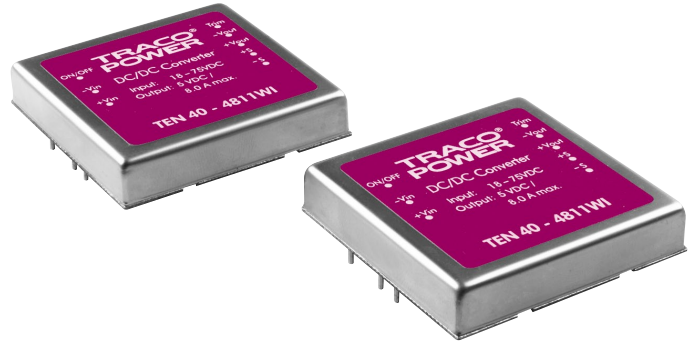


# DC/DC Converters

## 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 °C
- ◆ Under- / Over-Voltage Lockout
- ◆ I/O Isolation 1500 VDC
- ◆ Short Circuit Protection
- ◆ Remote On/Off
- ◆ Adjustable Output Voltage



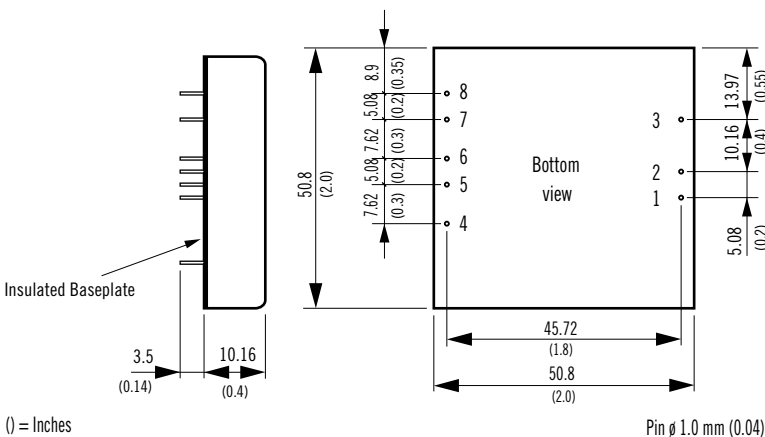
**NEW**  
Product

**cUL**<sup>®</sup>  
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	10'000 mA
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

<b>Line regulation:</b>	±1.0 % max.
<b>Load regulation:</b>	– Single output models: ±0.5 % max. – Dual output models: ±1.0 % max.
<b>Output voltage adjustment:</b>	±10 % (by external resistor)
<b>Ripple &amp; Noise:</b>	– 3.3 / 5 VDC output models: <50 mVpk-pk (20 MHz BW) – all other output models: <75 mVpk-pk (20 MHz BW)
<b>Conducted EMI:</b>	EN 55022, class A and FCC, level A (with external capacitor)
<b>Short circuit protection:</b>	continuous, automatic recovery
<b>Efficiency:</b>	86 % typ.
<b>Operating temperature range:</b>	-40 °C ... +85 °C for derating see datasheet
<b>I/O isolation voltage:</b>	1500 VDC
<b>Safety standards / approvals:</b>	cUL /UL 60950-1, IEC/EN 60950-1
<b>Case:</b>	metal, 6-side shielded with insulated baseplate
<b>Remote On/Off:</b>	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  $\phi$  1.0 mm (0.04)