

### Features

- ◆ Ultra-wide 4:1 input range
- ◆ High efficiency up to 86 %
- ◆ Extended operating temperature range  
–40°C to +85°C max.
- ◆ Indefinite short circuit protection
- ◆ I/ O isolation 1500 VDC
- ◆ Built-in filter meets EN 55022, Class A and  
FCC, Level A without external components
- ◆ Remote On/ Off
- ◆ Industry standard pinout
- ◆ Six-side shielded case
- ◆ Lead free design, fully RoHS compliant
- ◆ 3-year product warranty



The TEN 15WI series of DC/DC converters, comprising 10 different models, has been designed for a wide range of applications including communications, industrial systems and battery powered equipments. Full SMD-design with use of ceramic chip capacitors guarantees a high reliability and a long lifetime. Other features of this converters are internal filter to meet EN 55022, class A and FCC, level A and an extended temperature range of –40°C to +85°C.

### Models

Ordercode	Input voltage range	Output voltage	Output current max.	Efficiency typ.
TEN 15-2410WI	9 – 36 VDC (24 VDC nominal)	3,3 VDC	3'000 mA	78 %
TEN 15-2411WI		5,1 VDC	2'950 mA	82 %
TEN 15-2412WI		12 VDC	1'250 mA	85 %
TEN 15-2422WI		±12 VDC	±625 mA	85 %
TEN 15-2423WI		±15 VDC	±500 mA	86 %
TEN 15-4810WI	18 – 75 VDC (48 VDC nominal)	3,3 VDC	3'000 mA	78 %
TEN 15-4811WI		5,1 VDC	2'950 mA	82 %
TEN 15-4812WI		12 VDC	1'250 mA	85 %
TEN 15-4822WI		±12 VDC	±625 mA	85 %
TEN 15-4823WI		±15 VDC	±500 mA	86 %

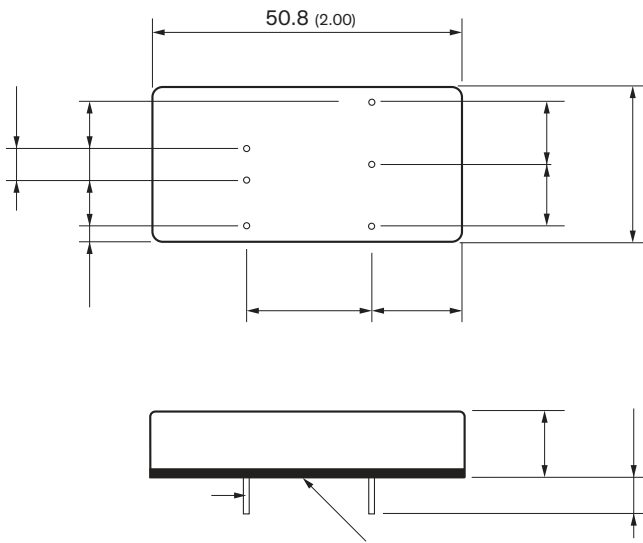
## Input Specifications

<b>Input current at no load</b>		24 Vin models: <b>25 mA typ.</b> 48 Vin models: <b>15 mA typ.</b>
<b>Input current at full load</b>	24 Vin; 24 Vin; 48 Vin; 48 Vin;	3.3 Vout models: <b>528 mA typ.</b> other output models: <b>740 mA typ.</b> 3.3 Vout models: <b>264 mA typ.</b> other output models: <b>370 mA typ.</b>
<b>Surge voltage</b> (100 msec. max.)		24 Vin models: <b>50 V max.</b> 48 Vin models: <b>100 V max.</b>
<b>Conducted noise (input)</b>		EN 55022 level A, FCC part 15, level A

## Output Specifications

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

**Outline Dimensions**



Specifications can be changed without notice! Make sure you are using the latest documentation, downloadable at [www.tracopower.com](http://www.tracopower.com)