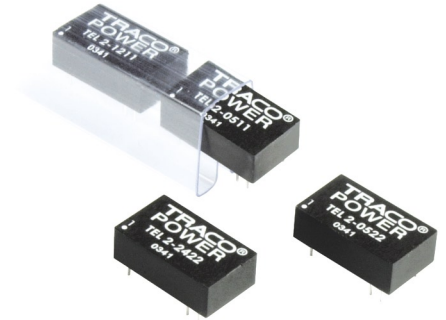




Features

- ◆ Ultracompact DIL-16 Plastic Package
- ◆ Wide 2:1 Input Range
- ◆ Regulated Output
- ◆ I/O-Isolation 1500V
- ◆ Input Filter meets EN55022A without ext. Components
- ◆ Low Ripple and Noise
- ◆ Indefinite Shortcircuit Protection
- ◆ Operating Temperature Range -25°C to +75°C
- ◆ Lead free Design, RoHS compliant
- ◆ 3 Year Product Warranty



The TEL-2 series, comprising 28 models, is a range of isolated 2 Watt converters in a low profile DIL-16 package. Requiring only 3.25 cm² of space on the PCB they provide a complete DC/DC converter without need of any external components. Wide input range and tightly regulated output voltage qualifies these converters for many cost critical applications in industrial and consumer electronics.

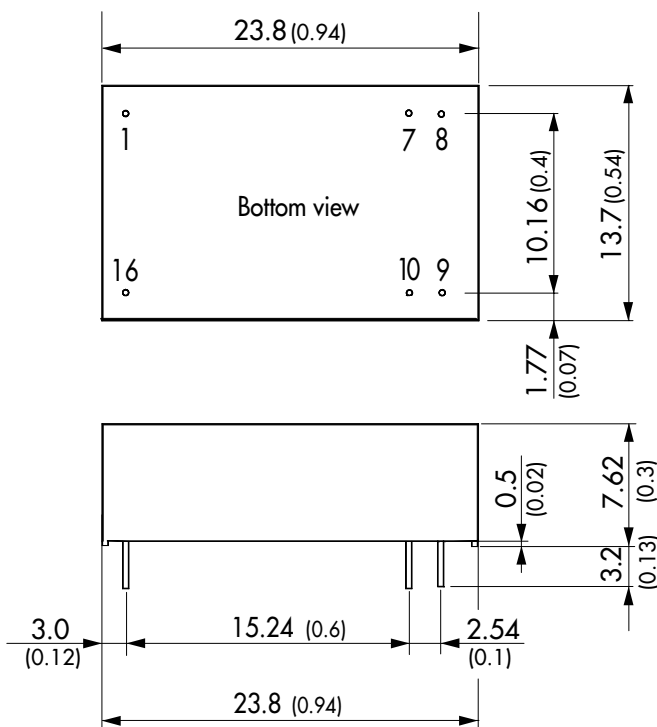
Models

| Ordercode | Input voltage range | Output voltage | Output current max. | Efficiency typ. |
|------------|---------------------|----------------|---------------------|-----------------|
| TEL 2-0510 | 4.5 – 9 VDC | 3.3 VDC | 500 mA | 70 % |
| TEL 2-0511 | | 5 VDC | 400 mA | 73 % |
| TEL 2-0512 | | 12 VDC | 165 mA | 75 % |
| TEL 2-0513 | | 15 VDC | 135 mA | 73 % |
| TEL 2-0521 | | ± 5 VDC | ± 200 mA | 64 % |
| TEL 2-0522 | | ± 12 VDC | ± 85 mA | 69 % |
| TEL 2-0523 | | ± 15 VDC | ± 65 mA | 71 % |
| TEL 2-1210 | 9 – 18 VDC | 3.3 VDC | 500 mA | 73 % |
| TEL 2-1211 | | 5 VDC | 400 mA | 77 % |
| TEL 2-1212 | | 12 VDC | 165 mA | 80 % |
| TEL 2-1213 | | 15 VDC | 135 mA | 80 % |
| TEL 2-1221 | | ± 5 VDC | ± 200 mA | 73 % |
| TEL 2-1222 | | ± 12 VDC | ± 85 mA | 78 % |
| TEL 2-1223 | | ± 15 VDC | ± 65 mA | 78 % |
| TEL 2-2410 | 18 – 36 VDC | 3.3 VDC | 500 mA | 72 % |
| TEL 2-2411 | | 5 VDC | 400 mA | 77 % |
| TEL 2-2412 | | 12 VDC | 165 mA | 80 % |
| TEL 2-2413 | | 15 VDC | 135 mA | 81 % |
| TEL 2-2421 | | ± 5 VDC | ± 200 mA | 74 % |
| TEL 2-2422 | | ± 12 VDC | ± 85 mA | 78 % |
| TEL 2-2423 | | ± 15 VDC | ± 65 mA | 80 % |
| TEL 2-4810 | 36 – 75 VDC | 3.3 VDC | 500 mA | 71 % |
| TEL 2-4811 | | 5 VDC | 400 mA | 73 % |
| TEL 2-4812 | | 12 VDC | 165 mA | 79 % |
| TEL 2-4813 | | 15 VDC | 135 mA | 79 % |
| TEL 2-4821 | | ± 5 VDC | ± 200 mA | 71 % |
| TEL 2-4822 | | ± 12 VDC | ± 85 mA | 77 % |
| TEL 2-4823 | | ± 15 VDC | ± 65 mA | 77 % |

Physical Specifications

| | |
|-----------------------|------------------------|
| Case material | non conductive FR4 |
| Potting material | epoxy, UL94V-0 - rated |
| Weight | 5.1 g (0.17oz) |
| Soldering temperature | max. 265°C / 10 sec. |

Outline Dimensions mm (inches)



| Pin-Out | | |
|---------|------------|------------|
| Pin | Single | Dual |
| 1 | -Vin (GND) | -Vin (GND) |
| 7 | No con. | No con. |
| 8 | No con. | Common |
| 9 | +Vout | +Vout |
| 10 | -Vout | -Vout |
| 16 | +Vin | +Vin |

Pin diameter $\varnothing 0.5 \pm 0.05$ (0.02) ± 0.002
Tolerances ± 0.25 (0.01)

Specifications can be changed without notice