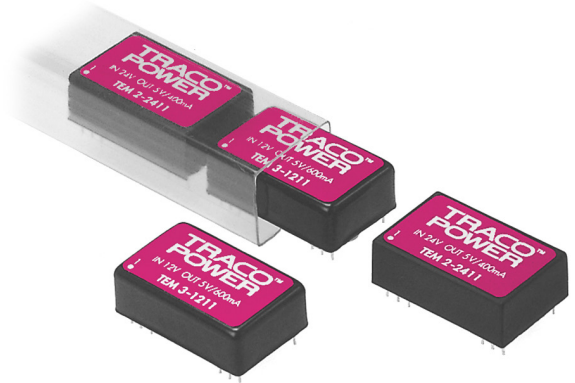


#### Features

- ◆ DIL-24 plastic package
- ◆ Tightly regulated output
- ◆ Very low output noise
- ◆ Short circuit protection
- ◆ Operating temperature range -25°C to +70°C
- ◆ I/O isolation 1'000 VDC
- ◆ Internal filter
- ◆ Industry standard pinout
- ◆ 3-year product warranty

End of life



The TEM 2 series is a family of isolated dc/dc converters in a DIP-24 package. They offer tight line/load regulation and 1000 VDC I/O isolation. Standard features include an internal filter to reduce reflected input ripple current and to guarantee low output noise. This product series provides a cost effective solution by many industrial or consumer electronics applications.

Models				
Ordercode	Input voltage range	Output voltage	Output current max.	Efficiency typ.
TEM 2-0511 *	5 VDC ±10%	5 VDC	400 mA	50 %
TEM 2-0512 *		12 VDC	165 mA	54 %
TEM 2-0521 *		±12 VDC	±80 mA	53 %
TEM 2-0522 *		±15 VDC	±65 mA	51 %
TEM 2-1211 *	12 VDC ±10%	5 VDC	400 mA	50 %
TEM 2-1212 *		12 VDC	165 mA	56 %
TEM 2-1221 *		±12 VDC	±80 mA	59 %
TEM 2-1222 *		±15 VDC	±65 mA	59 %
TEM 2-2411 *	24 VDC ±10%	5 VDC	400 mA	51 %
TEM 2-2412 *		12 VDC	165 mA	61 %
TEM 2-2421 *		±12 VDC	±80 mA	61 %
TEM 2-2422 *		±15 VDC	±65 mA	61 %

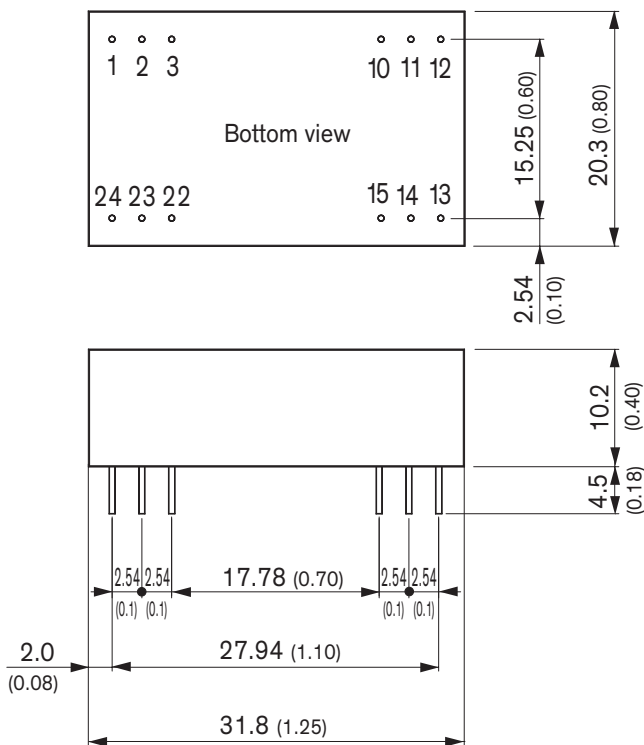
\* = End of life



**Physical Specifications**

Casing material	non conductive plastic (UL94V-0 rated)
Weight	12 g (0.42 oz)
Soldering temperature	max. 260°C / 10 sec.

**Outline Dimensions mm (inches)**



Pin-Out		
Pin	Single	Dual
1	+Vin (Vcc)	+Vin (Vcc)
2	NC	-Vout
3	NC	Common
10	-Vout	Common
11	+Vout	+Vout
12	-Vin (GND)	-Vin (GND)
13	-Vin (GND)	-Vin (GND)
14	+Vout	+Vout
15	-Vout	Common
22	NC	Common
23	NC	-Vout
24	+Vin (Vcc)	+Vin (Vcc)

NC = not connected

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

Specifications can be changed any time without notice.