

# TEL3 Series

3 Watt Single / Dual Output Models

# TRACO POWER

General Purpose / 2:1 Wide Input Range Converters

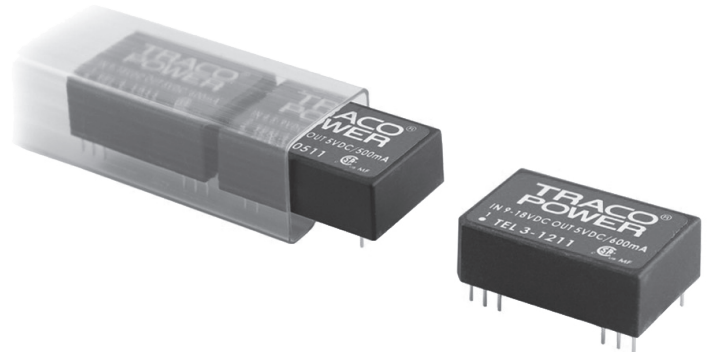
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PRICE | DELIVERY | SAMPLE | SUPPORT



## FEATURES:

Dimensions: 1.25 x 0.79 x 0.40"

- DIP-24 Plastic Package
- Wide 2:1 input range
- Exclusive 10-30 VDC input range models
- I/O isolation 1500 VDC
- Operating temperature range -40°C to +85°C
- Short circuit protection
- Available with industry standard pinout
- Cost optimized design
- 3 Year Warranty



## INPUT SPECIFICATIONS:

ISOLATION (I/O)	1500 VDC Input to Output
SETPOINT ACCURACY	± 1%
TRIM RANGE	n/a
REGULATION	Line ±0.5% , Load ±0.5% Singles / 1% Duals
RIPPLE	<60mV pk-pk (typical)
OVER CURRENT	>110% of rated current, Constant Current
SHORT CIRCUIT	Continuous, auto-recovery
OPERATING TEMPERATURE	-40 ~ +85°C (derate 3.3%/k >70°C)
STORAGE TEMPERATURE	-40 ~ +125°C
COOLING	Free air Convection
WEIGHT	12g
PACKAGE	24 Pin DIP Style DC/DC Converters
SAFETY	CSA/UL 60950-1, CB IEC60950-1

## MODELS:

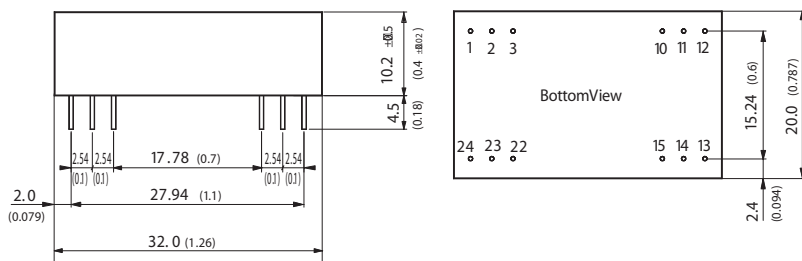
MODELS:	INPUT:	OUTPUT(S):
TEL3-0511	4.5-9V	5V 600mA
TEL3-0512	4.5-9V	12V 250mA
TEL3-0513	4.5-9V	15V 200mA
TEL3-0522	4.5-9V	+12V 125mA -12V 125mA
TEL3-0523	4.5-9V	+15V 100mA -15V 100mA
TEL3-1211	9-18V	5V 600mA
TEL3-1212	9-18V	12V 250mA
TEL3-1213	9-18V	15V 200mA
TEL3-1222	9-18V	+12V 125mA -12V 125mA
TEL3-1223	9-18V	+15V 100mA -15V 100mA
TEL3-2411	18-36V	5V 600mA
TEL3-2412	18-36V	12V 250mA
TEL3-2413	18-36V	15V 200mA
TEL3-2422	18-36V	+12V 125mA -12V 125mA
TEL3-2423	18-36V	+15V 100mA -15V 100mA
TEL3-4811	36-75V	5V 600mA
TEL3-4812	36-75V	12V 250mA
TEL3-4813	36-75V	15V 200mA
TEL3-4822	36-75V	+12V 125mA -12V 125mA
TEL3-4823	36-75V	+15V 100mA -15V 100mA

## DOWNLOADS:

Download Copy of this specification:  
<http://www.powergatellc.com/pdfs/TEL3.pdf>

Detailed Spec:  
<http://www.tracopower.com/products/tel3.pdf>

## OUTLINE DRAWING:



### Standard Pinout:

Pin	Pin-Out	
	Single	Dual
1	+Vin (Vcc)	+Vin (Vcc)
2	No con.	-Vout
3	No con.	Common
10	-Vout	Common
11	+Vout	+Vout
12	-Vin (GND)	-Vin (GND)
13	-Vin (GND)	-Vin (GND)
14	+Vout	+Vout
15	-Vout	Common
22	No con.	Common
23	No con.	-Vout
24	+Vin (Vcc)	+Vin (Vcc)

### Pinout NP Version:

Pin	Pin-Out	
	Single	Dual
2	-Vin (GND)	-Vin (GND)
3	-Vin (GND)	-Vin (GND)
9	No pin	Common
11	No con.	-Vout
14	+Vout	+Vout
16	-Vout	Common
22	+Vin (Vcc)	+Vin (Vcc)
23	+Vin (Vcc)	+Vin (Vcc)

Pin diameter  $\phi$  0.5 ± 0.05 (0.02) ± 0.002  
Tolerances ±0.5 (±0.02)

\* Specifications are subject to change without notice.