

# TEN5 Series

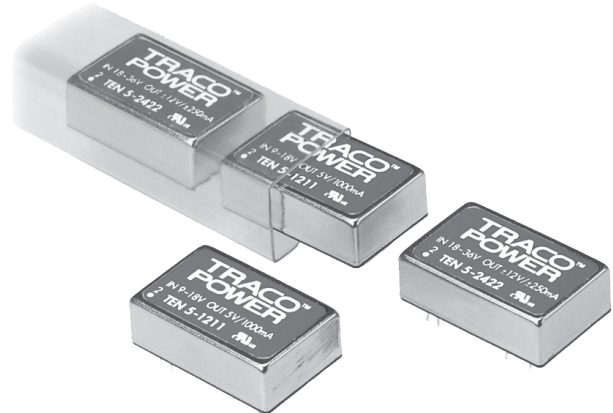
5 Watt Single / Dual Output Models

# TRACO POWER

General Purpose / 2:1 Wide Input Range Converters



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PRICE | DELIVERY | SAMPLE | SUPPORT



**FEATURES:**

1.25 x 0.80 x 0.40"

- Wide 2:1 Input Range
- High Efficiency up to 86 %
- Operating Temperature Range -40°C to +85°C
- I/O Isolation 1500 VDC
- Short Circuit Protection
- Input Filter to meet FCC Level A / EN55022, Class A
- Industry Standard Pinout
- 3 Year Warranty

**INPUT SPECIFICATIONS:**

ISOLATION (I/O)	1500 VDC Input to Output
SETPPOINT ACCURACY	±1%
TRIM RANGE	Fixed
REGULATION	Line ±0.3% , Load ±1% Singles / 2% Duals
RIPPLE	50mV pk-pk (max)
OVER CURRENT	>120% of rated current, Constant Current
SHORT CIRCUIT	Continuous, auto-recovery
OPERATING TEMPERATURE	-40 ~ +85°C (Derate 3.3%/k > 70°C)
STORAGE TEMPERATURE	-55 ~ +125°C
COOLING	Free air Convection
WEIGHT	14g
SAFETY	CSA/UL 60950-1, CB IEC60950-1

**MODELS:**

**INPUT:**

**OUTPUT(S):**

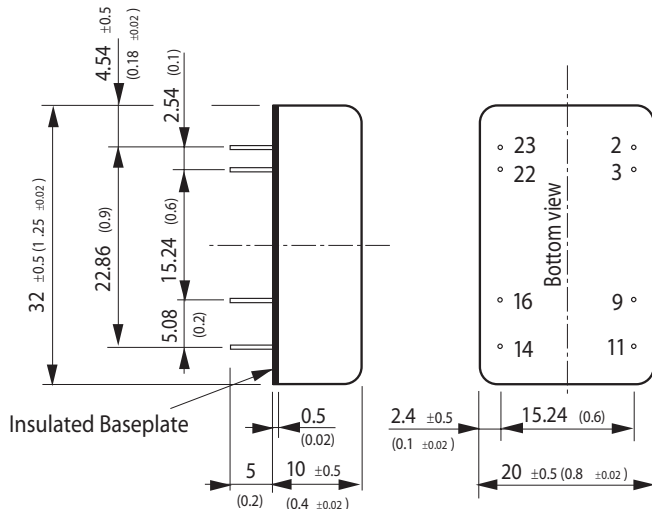
TEN5-0510	4.5-7V	3.3 1200mA	
TEN5-0511	4.5-7V	5 1000mA	
TEN5-0512	4.5-7V	12 500mA	
TEN5-0513	4.5-7V	15 400mA	
TEN5-0521	4.5-7V	+5 500mA	-5 500mA
TEN5-0522	4.5-7V	+12 250mA	-12 250mA
TEN5-0523	4.5-7V	+15 200mA	-15 200mA
TEN5-1210	9-18V	3.3 1200mA	
TEN5-1211	9-18V	5 1000mA	
TEN5-1212	9-18V	12 500mA	
TEN5-1213	9-18V	15 400mA	
TEN5-1221	9-18V	+5 500mA	-5 500mA
TEN5-1222	9-18V	+12 250mA	-12 250mA
TEN5-1223	9-18V	+15 200mA	-15 200mA
TEN5-2410	18-36V	3.3 1200mA	
TEN5-2411	18-36V	5 1000mA	
TEN5-2412	18-36V	12 500mA	
TEN5-2413	18-36V	15 400mA	
TEN5-2421	18-36V	+5 500mA	-5 500mA
TEN5-2422	18-36V	+12 250mA	-12 250mA
TEN5-2423	18-36V	+15 200mA	-15 200mA

**DOWNLOADS:**

Download Copy of this specification:  
<http://www.powergatellc.com/pdfs/TEN5.pdf>

Detailed Spec:  
<http://www.tracopower.com/products/ten5.pdf>

**OUTLINE DRAWING:**



Pin-Out		
Pin	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  $\varnothing$  0.5 ±0.05 (0.02 ±0.002)  
Tolerances ±0.5 (±0.02)