

# THI2M Series

## 3 Watt DC/DC Converters

Traco Power  
Medical Approved / High Isolation / Reinforced Insulation

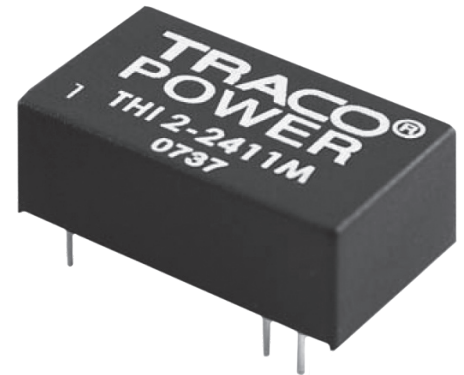


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### FEATURES:

DIMENSIONS: 0.94 x 0.54 x 0.34

- Ultra compact DIP 16 package
- I/O isolation 4000 VACrms
- Reinforced insulation rated for working voltage up to 300 VAC
- Industrial and medical safety approval
- Operating temperature range -40 °C to +71 °C
- Short circuit protection
- 3 Year Warranty



### INPUT SPECIFICATIONS:

ISOLATION (I/O)	4000 VACrms, rated for 300 VAC working voltage
SETPOINT ACCURACY	2% typical / ±4% max
TRIM RANGE	Fixed
REGULATION	Load ±10% / 5V Models ±12%
RIPPLE	<150mV pk-pk (20MHz bandwidth)
SHORT CIRCUIT	Continuous, auto-recovery
OPERATING TEMPERATURE	-40 ~ +71°C (Derate 2.5% per °C above 60°C)
STORAGE TEMPERATURE	-40 ~ +125°C
COOLING	Free air Convection
WEIGHT	5.1 g (0.18oz)
SAFETY	cUL/UL 60950-1, CB Report IEC/EN 60950-1 cUL/UL 60601-1, CB Report IEC/EN 60601-1

### MODELS:

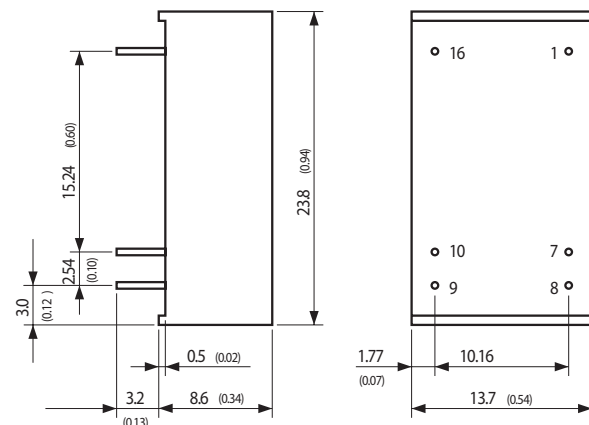
MODEL:	INPUT	OUTPUT(S):	EFFICIENCY:
<b>THI2-0511M</b>	5V±10%	5V 400mA	66%
<b>THI2-0512M</b>	5V±10%	12V 165mA	66%
<b>THI2-0513M</b>	5V±10%	15V 133mA	66%
<b>THI2-0522M</b>	5V±10%	+12V 83mA -12V 83mA	72%
<b>THI2-0523M</b>	5V±10%	+15V 66mA -15V 66mA	73%
<b>THI2-1211M</b>	12V±10%	5V 400mA	66%
<b>THI2-1212M</b>	12V±10%	12V 165mA	66%
<b>THI2-1213M</b>	12V±10%	15V 133mA	66%
<b>THI2-1222M</b>	12V±10%	+12V 83mA -12V 83mA	74%
<b>THI2-1223M</b>	12V±10%	+15V 66mA -15V 66mA	75%
<b>THI2-2411M</b>	24V±10%	5V 400mA	66%
<b>THI2-2412M</b>	24V±10%	12V 165mA	66%
<b>THI2-2413M</b>	24V±10%	15V 133mA	66%
<b>THI2-2422M</b>	24V±10%	+12V 83mA -12V 83mA	74%
<b>THI2-2423M</b>	24V±10%	+15V 66mA -15V 66mA	75%

### DOWNLOADS:

Download Copy of this specification:  
<http://www.powergatellc.com/pdfs/THI2M.pdf>

Detailed Spec:  
<http://www.tracopower.com/products/thi2m.pdf>

### OUTLINE DRAWING:



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