



### FEATURES:

DIMENSIONS: 1.25 x 0.80 x 0.40"

- DIP 24 package
- Wide 2:1 input voltage range
- I/O isolation voltage 4000 VACrms
- Reinforced insulation rated for working voltage 300 VAC
- Industrial and medical safety approvals
- Operating temperature range -40 °C to +85 °C
- Short circuit protection
- Input filter to meet EN 55022, class A

### INPUT SPECIFICATIONS:

ISOLATION (I/O)	4000 VACrms, rated for 300 VAC working voltage
SETPOINT ACCURACY	±1%
MINIMUM LOAD	5% required for stated regulation
TRIM RANGE	Fixed
REGULATION	Line ±0.5% , Load ±1%
RIPPLE	<150mV pk-pk (5V models <100mV), 20MHz
OVER CURRENT	>120% of rated current, Constant Current
SHORT CIRCUIT	Continuous, auto-recovery
OPERATING TEMPERATURE	-40 ~ +85°C (Derate 4% per °C above 75°C)
STORAGE TEMPERATURE	-40 ~ +125°C
COOLING	Free air Convection
WEIGHT	16.2g
SAFETY	cUL/UL60950-1, CB Report IEC/EN 60950-1 cUL/UL60601-1, CB Report IEC/EN 60601-1

### MODELS:

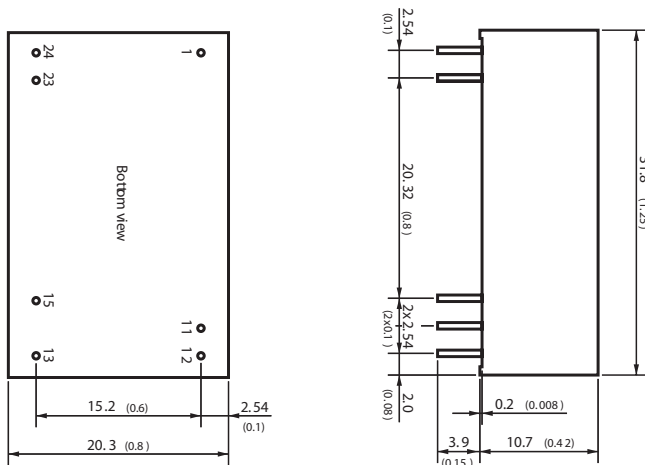
MODEL(S)	INPUT	OUTPUT(S):	EFFICIENCY:
<b>THB3-0511</b>	4.5-9	5V 600mA	70%
<b>THB3-0512</b>	4.5-9	12V 250mA	75%
<b>THB3-0515</b>	4.5-9	24V 125mA	76%
<b>THB3-0522</b>	4.5-9	+12V 125mA -12 125mA	75%
<b>THB3-0523</b>	4.5-9	+15V 100mA -15 100mA	75%
<b>THB3-1211</b>	9-18	5V 600mA	74%
<b>THB3-1212</b>	9-18	12V 250mA	80%
<b>THB3-1215</b>	9-18	24V 125mA	81%
<b>THB3-1222</b>	9-18	+12V 125mA -12V 125mA	80%
<b>THB3-1223</b>	9-18	+15V 100mA -15V 100mA	80%
<b>THB3-2411</b>	18-36	5V 600mA	78%
<b>THB3-2412</b>	18-36	12V 250mA	83%
<b>THB3-2415</b>	18-36	24V 125mA	84%
<b>THB3-2422</b>	18-36	+12V 125mA -12V 125mA	83%
<b>THB3-2423</b>	18-36	+15V 100mA -15V 100mA	83%

### DOWNLOADS:

Download Copy of this specification:  
<http://www.powergatellc.com/pdfs/THB3.pdf>

Detailed Spec:  
<http://www.tracopower.com/products/thb3.pdf>

### OUTLINE DRAWING:



Dimensions in [mm], ( ) = Inch  
 Pin diameter  $\phi 0.6 \pm 0.05$  (0.024  $\pm$  0.002)  
 Tolerances  $\pm 0.25$  (0.001)  
 Pin pitch tolerances  $\pm 0.13$  (0.005)

Pin	Pin-Out	
	Single	Dual
1	+Vin (Vcc)	+Vin (Vcc)
11	No pin	Common
12	-Vout	No pin
13	+Vout	-Vout
15	No pin	+Vout
23	-Vin (GND)	-Vin (GND)
24	-Vin (GND)	-Vin (GND)