

TES-2M Series

2 Watt Single / Dual Output Wide Range Input DC/DC Converters

TRACOPOWER

Surface Mount DC/DC Converter

0.94 x 0.54 x 0.35"

Features:

- Ultracompact SMD package
- I/O isolation 4000 VACrms
- Reinforced insulation rated for working voltage up to 300 VAC
- Industrial and medical safety approval
- Operating temperature range -25 °C to +71°C
- Qualified for leadfree reflow solder process
- Available in tape & reel package
- 3 Year Warranty



Specifications:

Isolation	4000 VACrms, rated for 300 VAC working voltage
Operating Temperature	-25 °C to +71°C (above 60°C derating 2.5 %/K)
Storage Temperature	-40 ~ +105°C
Set-Point Accuracy	±2%
Ripple / Noise	<150 mVpk-pk (20 MHz BW)
Regulation	Line unregulated / Load 10% max.
Voltage Adjust Range	Fixed
OverCurrent Protection	limited 0.5 sec.
Status & Control	n/a
Weight	see detailed spec
Options	Optional Tape & Reel Packaging
Emissions	Internal Filter for EN55022 Class A, FCC Level A
Safety Standards	<ul style="list-style-type: none"> • CSA/UL 60950-1 • IEC/EN 60950-1 • CSA/UL 60601-1 • IEC/EN 60601-1 • CB-report

Models

Input

Output

TES2-0511M	4.5-5.5	5V 400mA
TES2-0512M	4.5-5.5	12V 12V
TES2-0513M	4.5-5.5	15V 12V
TES2-0522M	4.5-5.5	+12V 83mA -12V 83mA
TES2-0523M	4.5-5.5	+15V 66mA -15V 66mA
TES2-1211M	10.8-13.2	5V 400mA
TES2-1212M	10.8-13.2	12V 12V
TES2-1213M	10.8-13.2	15V 12V
TES2-1222M	10.8-13.2	+12V 83mA -12V 83mA
TES2-1223M	10.8-13.2	+15V 66mA -15V 66mA
TES2-2411M	21.6-26.4	5V 400mA
TES2-2412M	21.6-26.4	12V 12V
TES2-2413M	21.6-26.4	15V 12V
TES2-2422M	21.6-26.4	+12V 83mA -12V 83mA
TES2-2423M	21.6-26.4	+15V 66mA -15V 66mA



Download Information:

Download Copy of this specification:

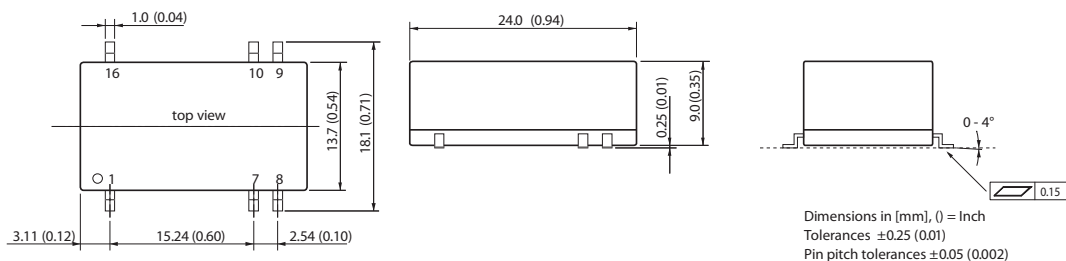
<http://www.powergatellc.com/pdfs/TES2M.pdf>

Detailed Spec:

<http://www.tracopower.com/products/tes2m.pdf>

Mechanical Specification:

Specifications are subject to change without notice. If RoHS compliant products are required, please specify clearly on your Purchase Order



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