



TERMINATION SURFACE MOUNT 100 WATT

DATA SHEET

PART NUMBER: SMT3725TALN

SHEET 1 OF 1

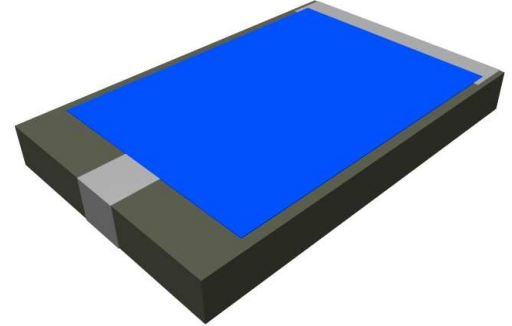
EN 12-1811
12/03/2012

FEATURES

- Optimized For Cellular Spectrum
- Low VSWR
- 100% Tested

APPLICATIONS

- Mobile Networks
- Broadcast
- High Power Amplifiers
- Instrumentation
- Isolators
- Satellite Communications



GENERAL DESCRIPTION

EMC Technology's surface mount terminations are designed for direct installation on printed circuit boards and manufactured using thick film technology. Edge metallization on two sides form the solder fillets for stronger attachment, easier inspection and increased heat removal area. The devices are available in Alumina, Aluminum Nitride or Beryllium Oxide.

SPECIFICATIONS

1.0 ELECTRICAL

- Nominal Impedance: 50 Ω
- Frequency Range: 800 MHz – 2700 MHz
- VSWR: 1.15:1 Max
- Temperature Coefficient: ± 200 PPM/ $^{\circ}\text{C}$ Max
- Power Rating: 100 Watts
- Operating Temperature: -55°C To $+150^{\circ}\text{C}$
- DC Resistance: $45.6 \Omega \pm 5\%$

2.0 MECHANICAL

- Substrate: AlN
- Resistive Film: Thick Film
- Metallization: Thick Film

3.0 UNIT MARKING

None

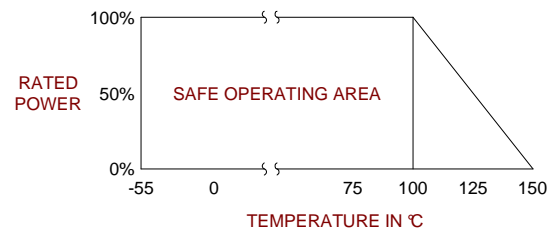
4.0 PACKAGING

- Standard: Tape and Reel

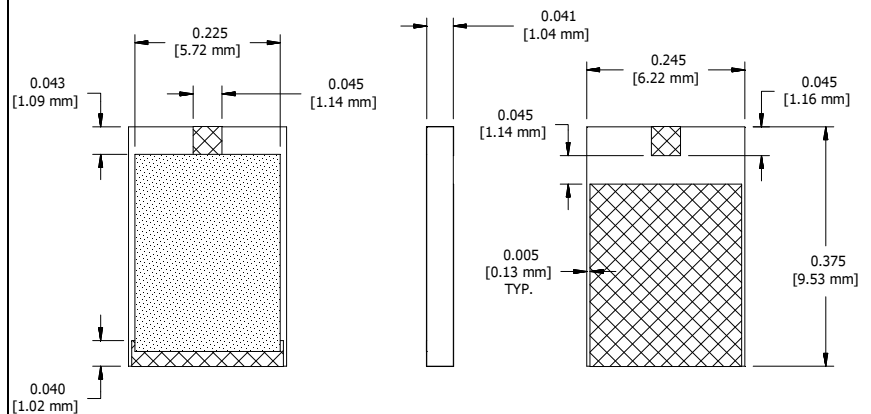
5.0 PART NUMBERING

- Part Identifier: SMT3725TALN

POWER RATING AND DERATING



MECHANICAL OUTLINE



Note: Specifications are subject to change without notice.

TOLERANCE: $\pm .010$