

TERMINATION SURFACE MOUNT 100 WATT



DATA SHEET

PART SERIES: SMT3725TALNF

SHEET 1 OF 2
Dwg 1014015

EN 14-1767
Revision -

FEATURES

- Wide Band Operation
- High Power
- Direct Attached
- Low VSWR
- Easy installation

APPLICATIONS

- Mobile Networks
- Broadcast
- High Power Amplifiers
- Isolators
- Military
- Instrumentation



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.

ORDERING INFORMATION

Part Identifier: **SMT3725TALNF**

SPECIFICATIONS:

1.0 ELECTRICAL

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

2.0 ENVIRONMENTAL

Operating Temperature:	-55 $^{\circ}$ C to +150 $^{\circ}$ C
Non-operating Temperature:	-65 $^{\circ}$ C to +150 $^{\circ}$ C
Temperature Coefficient:	+/-200 PPM / $^{\circ}$ C max

3.0 MARKING

Unit Marking:	None
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4.0 QUALITY ASSURANCE

Visual and Mechanical Inspection:	Per 824W107
DC Resistance Check:	100% DC Resistance Check
Data Retention:	Standard

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5.0 PACKAGING

Standard Packaging:

Tape and Reel

6.0 MECHANICAL

Substrate Material:

AlN

Resistive Film:

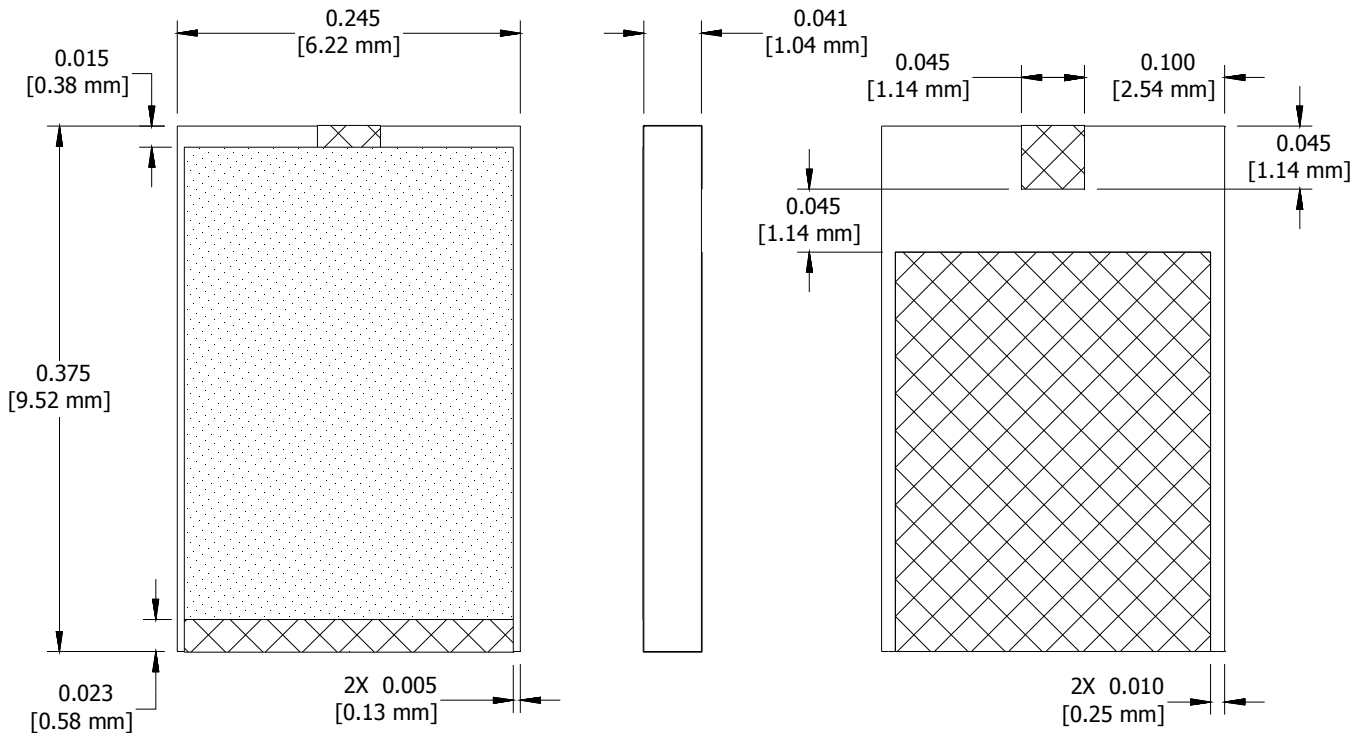
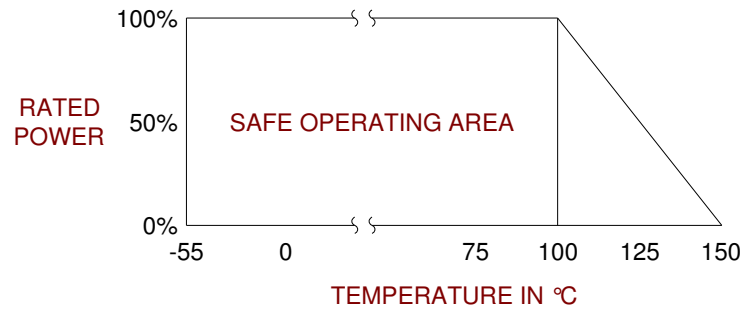
Thick Film

Terminal Material:

Thick Film

Metric Dimensions:

Provided for reference only



Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005