

CHIP 150 WATT TERMINATION



DATA SHEET

PART NUMBER: CT3725ALNF

SHEET 1 OF 1

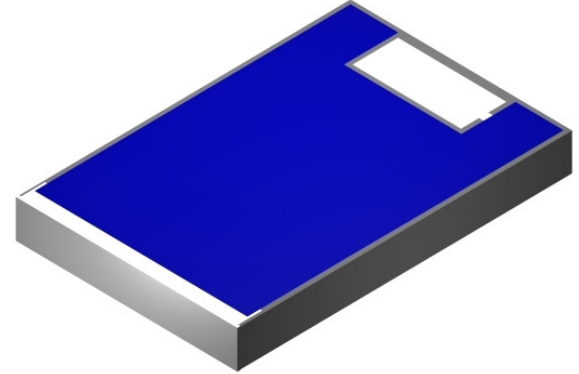
EN 13-2337
07/16/2013

FEATURES

Low VSWR
Wideband Operation
High Power Handling

APPLICATIONS

Mobile Networks
Broadcast
High Power Amplifiers
Instrumentation
Isolators
Military
Satellite Communications



GENERAL DESCRIPTION

EMC Technology's CT series terminations are designed for isolator applications and manufactured using thick film technology. Edge metallization 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: DC-3.0 GHz
VSWR: 1.25:1 Max @ DC - 2.5
1.30:1 Max @ 2.5 - 3.0
Power Rating: 150 Watts CW
Operating Temperature: -55 $^{\circ}\text{C}$ To +150 $^{\circ}\text{C}$
DC Resistance: 50 Ω \pm 5%
Temperature Coefficient: \pm 200 PPM/ $^{\circ}\text{C}$ Max

2.0 MECHANICAL

Substrate: Aluminum Nitride
Resistive Element: Thick Film
Metallization: Thick Film

3.0 UNIT MARKING

None

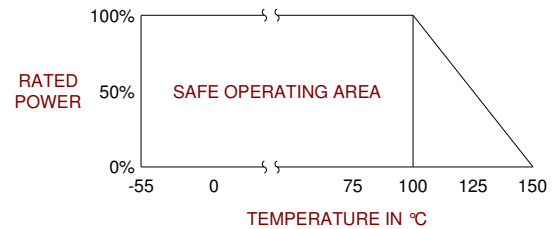
4.0 PACKAGING

Standard: Tape and Reel
Optional: Available Upon Request

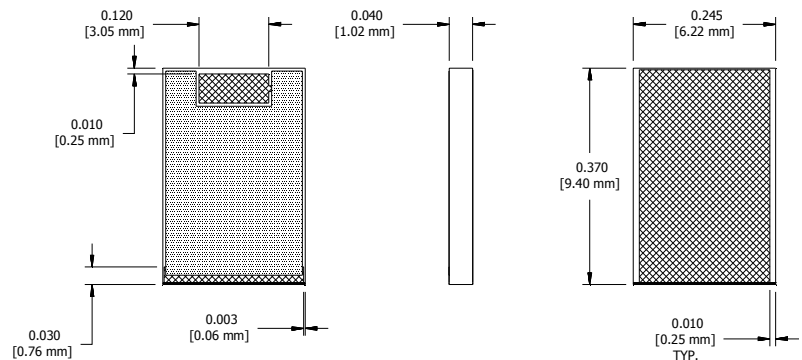
5.0 PART NUMBERING

Part Identifier: CT3725ALN

POWER RATING AND DERATING



MECHANICAL OUTLINE



Note: Specifications are subject to change without notice.

Unless Otherwise Specified: TOLERANCE: .XXX = \pm .010