

# CHIP 150 WATT TERMINATION



DATA SHEET

PART NUMBER: CT3725ALN

SHEET 1 OF 1

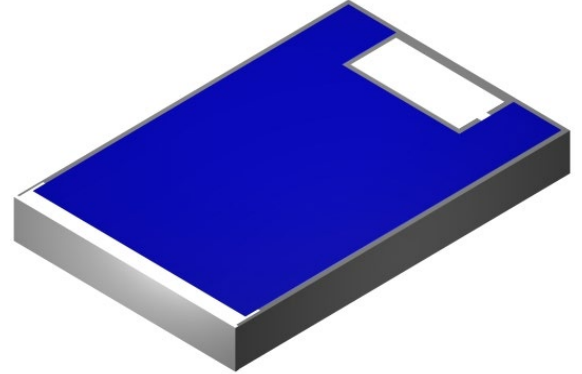
EN 13-2337  
07/16/2013

## 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  $\Omega$   
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 °C To +150 °C  
DC Resistance: 50  $\Omega$   $\pm$ 5%  
Temperature Coefficient:  $\pm$ 200 PPM/°C Max

### 2.0 MECHANICAL

Substrate Aluminum Nitride  
Resistive Element Thick Film  
Metallization: Thick Film

### 3.0 UNIT MARKING

None

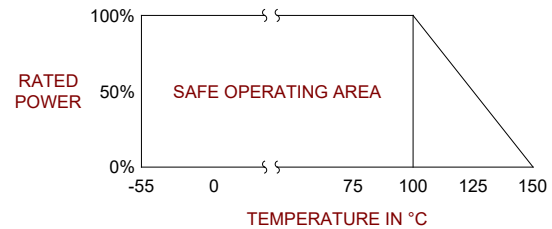
### 4.0 PACKAGING

Standard: Tape and Reel  
Optional: Available Upon Request

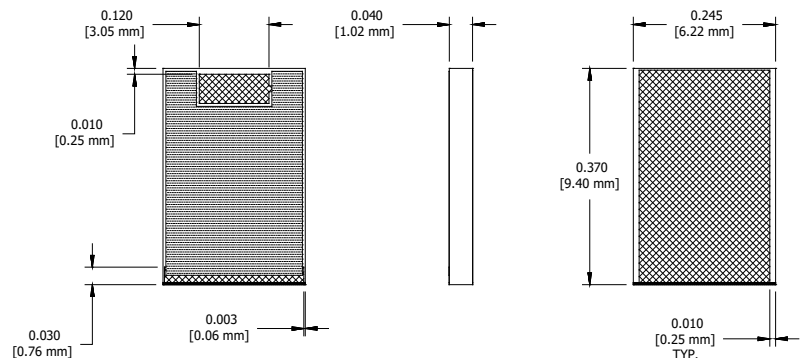
### 5.0 PART NUMBERING

Part Identifier: CT3725ALN

## POWER RATING AND DERATING



## MECHANICAL OUTLINE



Note: Specifications are subject to change without notice.

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