

# ATTENUATOR CHIP 0.2 WATT



DATA SHEET

PART SERIES: TS09XXWB2

SHEET 1 OF 2  
Dwg 1012675

EN 16-0703  
Revision B

## FEATURES

- Small Footprint
- High Power
- Surface Mount
- Low VSWR
- Easy Installation
- Wide Attenuation Offering

## APPLICATIONS

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



## GENERAL DESCRIPTION

EMC Technology offers the widest selection of chip attenuators worldwide. Chip components are offered in Alumina, Aluminum Nitride, Beryllium Oxide, and CVD diamond for maximum performance.

## ORDERING INFORMATION

**Part Identifier: TS09XXWB2**  
**(XX) – dB Value**

## SPECIFICATIONS

### 1.0 ELECTRICAL

Nominal Impedance: 50 ohms  
Frequency Range: DC – 20 GHz  
Attenuation Values Available: 1 – 10 in 1 dB increments  
Attenuation Accuracy:

ATTENUATION ACCURACY @25°C		
dB	DC – 15 GHz	15-20 GHz
0 – 4	±0.5	±0.5
5 – 10	±0.5	±0.75

Input Power CW: 200 Milliwatts full rated power to 125°C, derated linearly to 0 watts at 150°C.  
VSWR @ 25°C: DC – 10 GHz - 1.25:1 Max  
10 – 20 GHz - 1.45:1 Max

### 2.0 ENVIRONMENTAL

Operating Temperature: -55°C to +150°C  
Non-operating Temperature: -65°C to +150°C

### 3.0 MARKING

Unit Marking: None

### 4.0 QUALITY ASSURANCE

Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL

Visual and Mechanical Inspection for Conformance to Outline Drawing

Measure Attenuation and VSWR

Data Retention - Standard

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## 5.0 PACKAGING

Standard Packaging:

Tape and Reel

## 6.0 MECHANICAL

Resistive Film:

Thick Film

Terminal Material:

Thick Film, Bondable Gold

Ground Material:

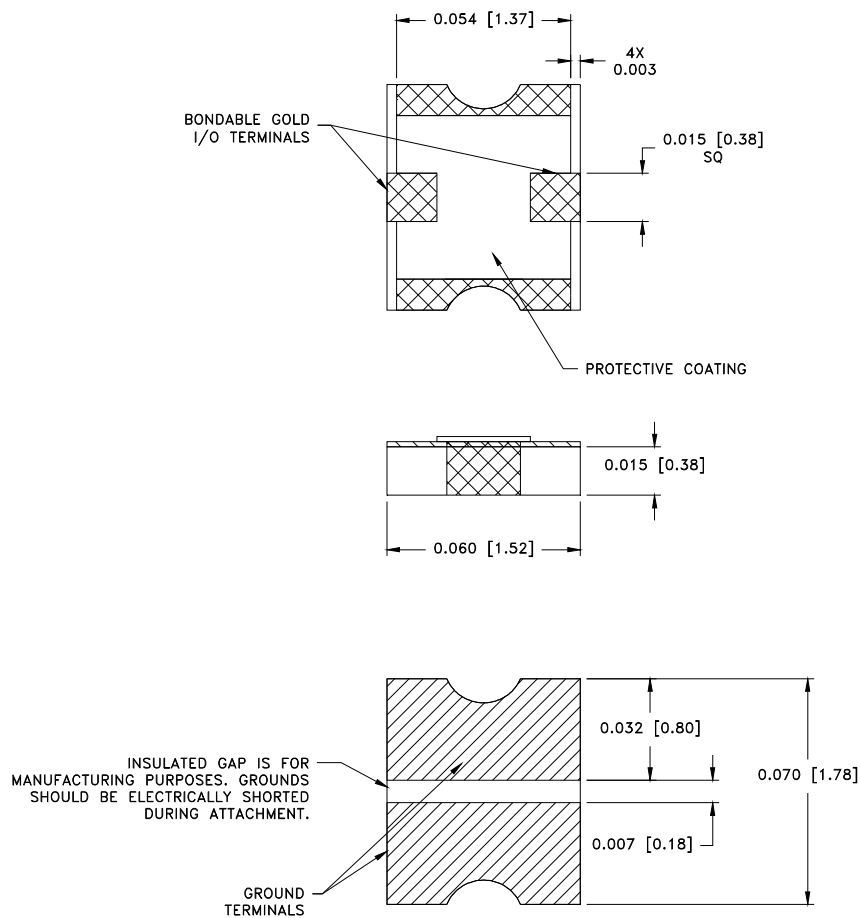
Thick Film, Solderable

Metric Dimensions:

Provided for reference only

Workmanship

PER MIL-R-55342



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