

# ATTENUATOR CHIP 0.2 WATT



DATA SHEET

PART SERIES: TS09XXSMT

SHEET 1 OF 2  
Dwg 1012955

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: TS09XXSMT**  
**(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 – 20 GHz - 1.40:1 Typical  
DC – 20 GHz - 1.70:1 Max

### 2.0 ENVIRONMENTAL

Operating Temperature: -55°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

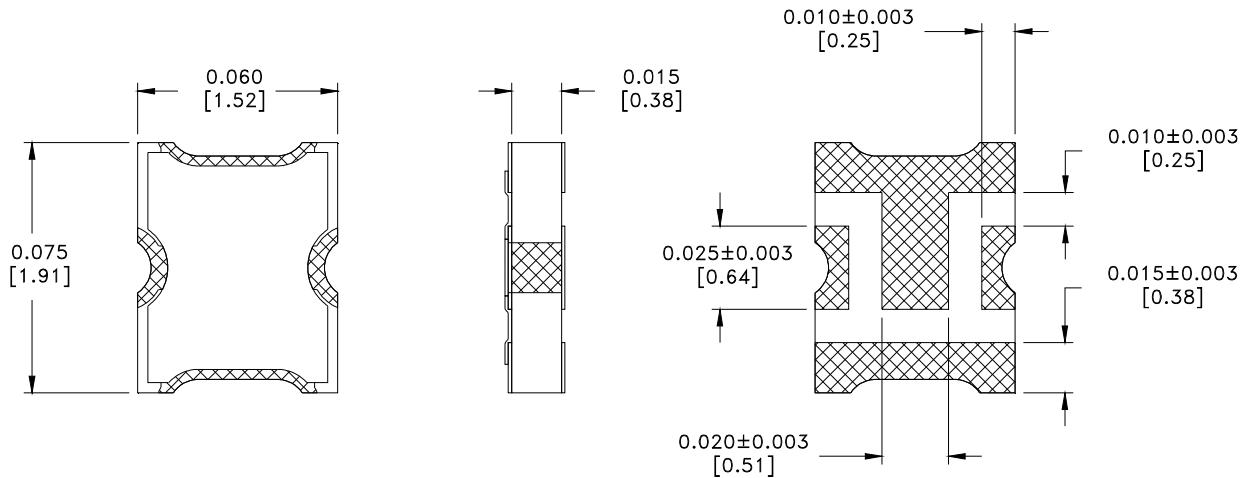
### 5.0 PACKAGING

Standard Packaging: Tape and Reel

# ATTENUATOR CHIP 0.2 WATT

## 6.0 MECHANICAL

Resistive Film:	Thick Film
Terminal Material:	Thick Film, Nickel Barrier, Solder Plated
Metric Dimensions:	Provided for reference only
Workmanship	PER MIL-R-55342



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

## 7.0 SUGGESTED MOUNTING FOOTPRINT

Part Number	Inches						mm					
	A	B	C	D	S	W	A	B	C	D	S	W
TS09XXSMT	0.019	0.011	0.012	0.041	0.012	0.070	0.48	0.28	0.30	1.04	0.30	1.78

