ATTENUATOR
CHIP 0.2 WATT

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: TS09XXSMTF

(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

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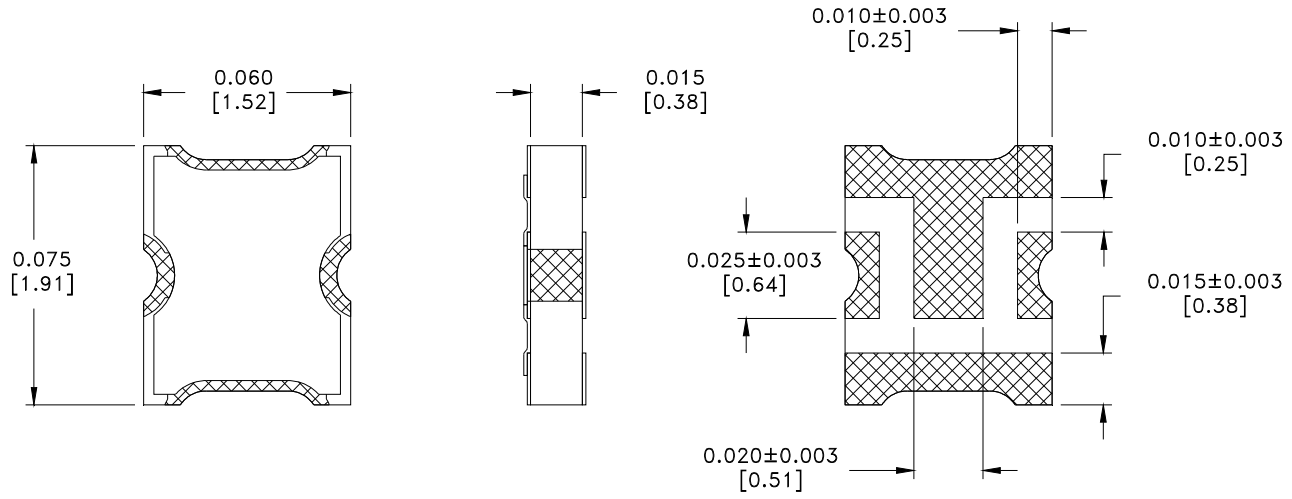
6.0 MECHANICAL

Substrate Material:	Alumina 96%, MIL-I-10
Resistive Film:	Thick Film
Terminal Material:	Thick Film, Lead Free Plating
Metric Dimensions:	Provided for reference only
Workmanship	PER MIL-R-55342



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

7.0 SUGGESTED MOUNTING FOOTPRINT

	Inches						mm					
Part Number	A	B	C	D	E	W	A	B	C	D	E	W
TS09XXSMTF	0.025	0.015	0.016	0.049	0.018	0.070	0.64	0.38	0.41	1.24	0.46	1.78