

## ORDERING INFORMATION

## PART IDENTIFIER: TS09XXSMTS

└─ (XX) – dB Value



## SPECIFICATIONS

## 1. ELECTRICAL:

Nominal Impedance: 50  $\Omega$   
 Frequency Range: DC – 20 GHz  
 Attenuation Values Available: 00 – 10 in 1 dB increments  
 Attenuation Accuracy:

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

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. ENVIRONMENTAL:

Operating Temperature: -55°C to +150°C

## 3. MARKING:

Unit Marking: Marked with dB Value. Legibility and permanency per MIL-STD-130.

## 4. 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

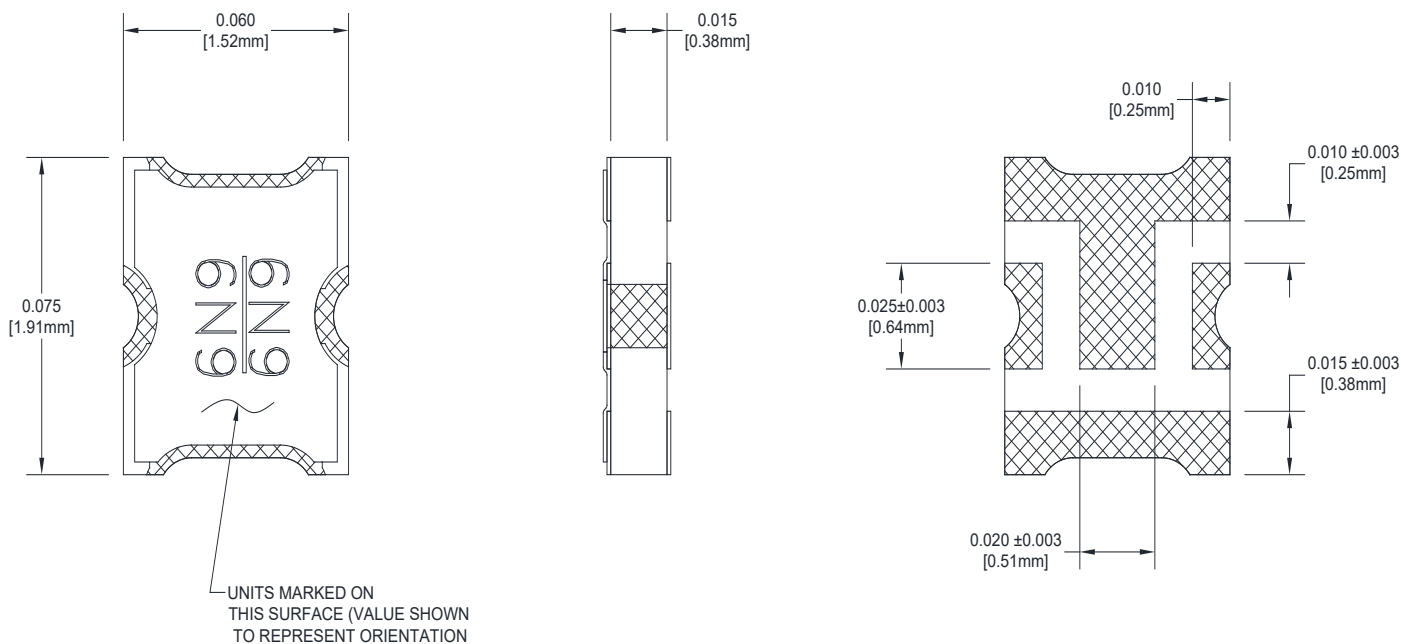
Data Retention - Standard

## 5. PACKAGING:

Standard Packaging: Tape and Reel

6. 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. FOOTPRINT:

Part Number	Inches						mm					
	A	B	C	D	S	W	A	B	C	D	S	W
TS09XXSMTS	0.019	0.011	0.012	0.041	0.012	0.070	0.48	0.28	0.30	1.04	0.30	1.78

