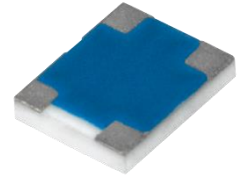




## ORDERING INFORMATION

PART IDENTIFIER: TS04XXF

(XX)=dB VALUE.



## SPECIFICATIONS

## 1. ELECTRICAL:

Nominal Impedance: 50  $\Omega$ .  
 Frequency Range: DC – 6 GHz.  
 Attenuation Values Available: 1 - 10 dB in 1 dB increments and 20 dB.  
 Attenuation Accuracy: See Table.

ATTENUATION ACCURACY			
dB	DC – 2.5 GHz	2.6 – 4 GHz	4 – 6 GHz
1 – 3	$\pm 0.3$	$\pm 0.5$	$\pm 0.5$
4 – 6	$\pm 0.4$	$\pm 0.5$	$\pm 0.5$
7 – 10	$\pm 0.5$	$\pm 0.5$	$\pm 0.75$
20	$\pm 2.0$	-	-

Input Power CW: 1 Watt Full Rated Power to 85°C, Derated Linearly to 0 Watts at 150°C.  
 VSWR: DC – 2.5 GHz – 1.15:1.  
 2.6 – 6 GHz – 1.25:1.

## 2. ENVIRONMENTAL:

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

## 3. MARKING:

Unit Marking: dB Value and Input Dot.

## 4. QUALITY ASSURANCE:

Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.  
 Visual and Mechanical Examination for Conformance to Outline Drawing.  
 Measure Attenuation and VSWR.  
 Data Retention – Standard.

## 5. PACKAGING:

Standard Packaging: Tape and Reel.

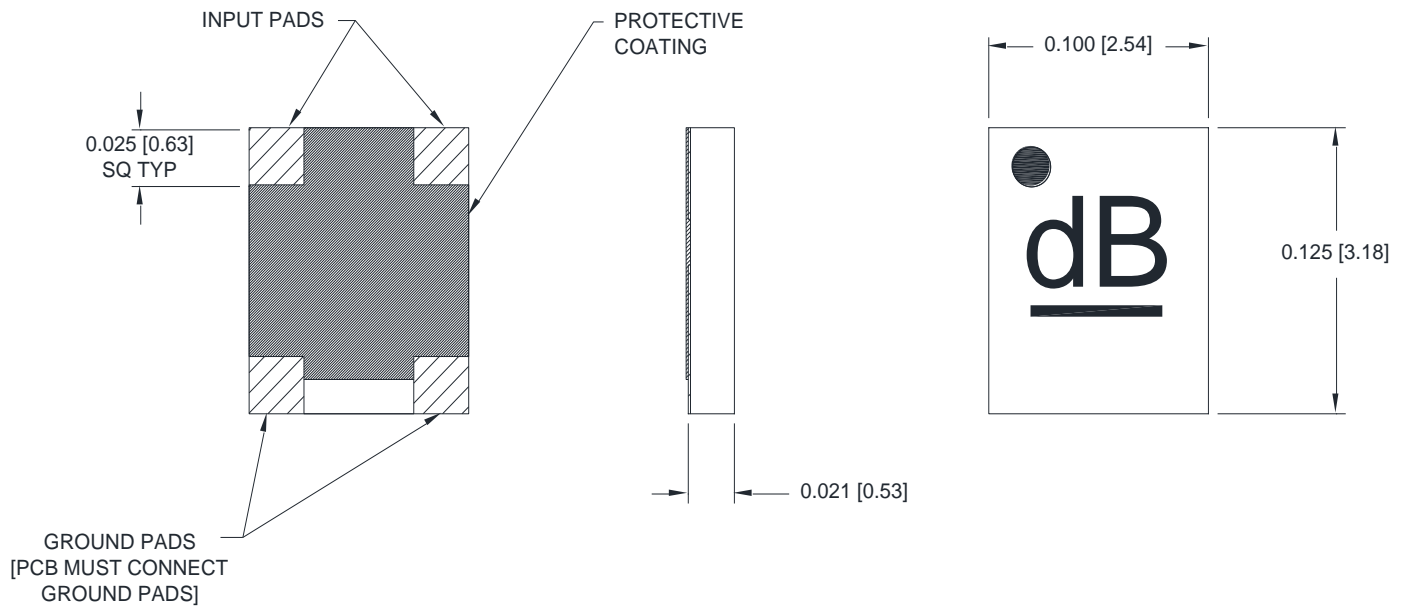
## 6. MECHANICAL:

Resistive Film: Thin Film, Tantalum Nitride.  
 Terminal Material: Thick film, Lead Free Plating.  
 Workmanship: Per MIL-R-55342.  
 Metric Dimensions [mm]: Provided for reference only.



## ATTENUATOR CHIP 1 WATT

DATASHEET PART SERIES: TS04XXF

Sheet 2 of 2  
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Revision C

Unless Otherwise Specified Dimensions are in Inches: Tolerance X.XXX =  $\pm 0.005$ .

## 7. SUGGESTED MOUNTING FOOTPRINT

Part Number	Inches						mm					
	A	B	C	D	S	W	A	B	C	D	S	W
TS04XXF	0.027	0.027	0.050	0.027	0.074	0.105	0.69	0.69	1.27	0.69	1.88	2.67

