

ATTENUATOR CHIP 1 WATT

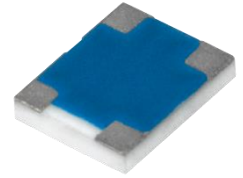
DATASHEET PART SERIES: TS04XXS

Sheet 1 of 2
Doc# TS04XXS-1011395ECO-084063
Revision D

ORDERING INFORMATION

PART IDENTIFIER: TS04XXS

→ (XX)=dB VALUE.



SPECIFICATIONS

1. ELECTRICAL:

Nominal Impedance: 50 Ω .
 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	± 0.3	± 0.6	± 0.8
4 – 6	± 0.4	± 0.8	± 0.8
7 – 10	± 0.5	± 1.0	± 1.0
20	± 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:

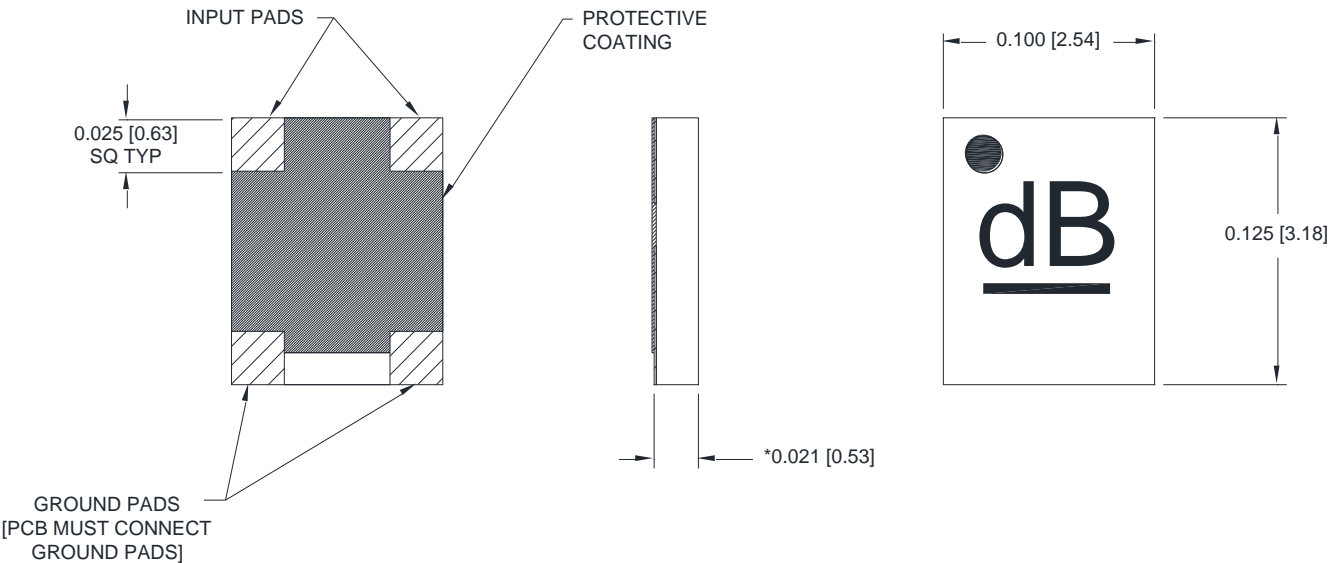
Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.
 Visual and Mechanical Examination for Conformance to Outline Drawing.
 Measure Attenuation and VSWR.
 Data Retention – Standard.

5. PACKAGING:

Standard Packaging: Tape and Reel.

6. MECHANICAL:

Resistive Film: Thin Film, Tantalum Nitride.
 Terminal Material: Thick film, Nickel Barrier, Solder Coated.
 Workmanship: Per MIL-R-55342.
 Metric Dimensions [mm]: Provided for reference only.



* DIMENSIONS APPLY BEFORE SOLDER. ALLOW 0.003/0.015 FOR ALL PRETINNED SURFACES.

Unless Otherwise Specified Dimensions are in Inches: Tolerance X.XXX = ± 0.005.

7. SUGGESTED MOUNTING FOOTPRINT

Part Number	Inches						mm					
	A	B	C	D	S	W	A	B	C	D	S	W
TS04XXS	0.027	0.027	0.050	0.027	0.074	0.105	0.69	0.69	1.27	0.69	1.88	2.67

