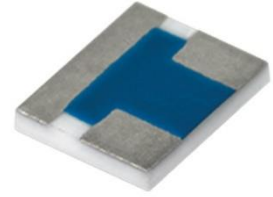




ORDERING INFORMATION

PART IDENTIFIER: TS03XXF

→ (XX)=dB VALUE.



SPECIFICATIONS

1. ELECTRICAL:

Nominal Impedance: 50 Ω .
Frequency Range: DC – 12.4 GHz.
Attenuation Values Available: 0 - 20 dB in 1 dB increments.
Attenuation Accuracy: See Table.

ATTENUATION ACCURACY			
dB	DC – 4 GHz	4 – 8 GHz	8 – 12.4 GHz
0	+0.3, -0.0	+0.5, -0.0	+0.5, -0.0
1 – 3	± 0.3	± 0.5	± 0.5
4 – 6	± 0.4	± 0.5	± 0.5
7 – 10	± 0.5	± 0.5	± 0.75
11 – 15	± 0.75	+0.5, -3.0	+0.5, -3.5
16 - 20	± 1.0	+0.5, -4.0	+1.0, -6.0

Input Power CW: 2 Watts Full Rated Power to 125°C, Derated Linearly to 0 Watts at 150°C.
Peak Power: 50 Watts for 10 μ s pulse width @ 1% duty cycle.
VSWR: 1.30:1 Max.

2. ENVIRONMENTAL:

Operating Temperature: -55°C to +150°C.
Non-operating Temperature: -55°C to +150°C.
Temperature Coefficient: ± 200 PPM/°C Max.
Altitude Non-Operating: Sea Level to 50,000 Feet.
Altitude Operating: Sea Level to 50,000 Feet.
Vibration: Per MIL-STD-202, METHOD 204, COND. D.
Shock: Per MIL-STD-202, METHOD 213, COND. I.
Moisture Resistance: Per MIL-STD-202, METHOD 106 Except Sub cycle Steps 7a and 7b. Polarization and Load Are Not Applicable.

3. MARKING:

Unit Marking: dB Value.

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.

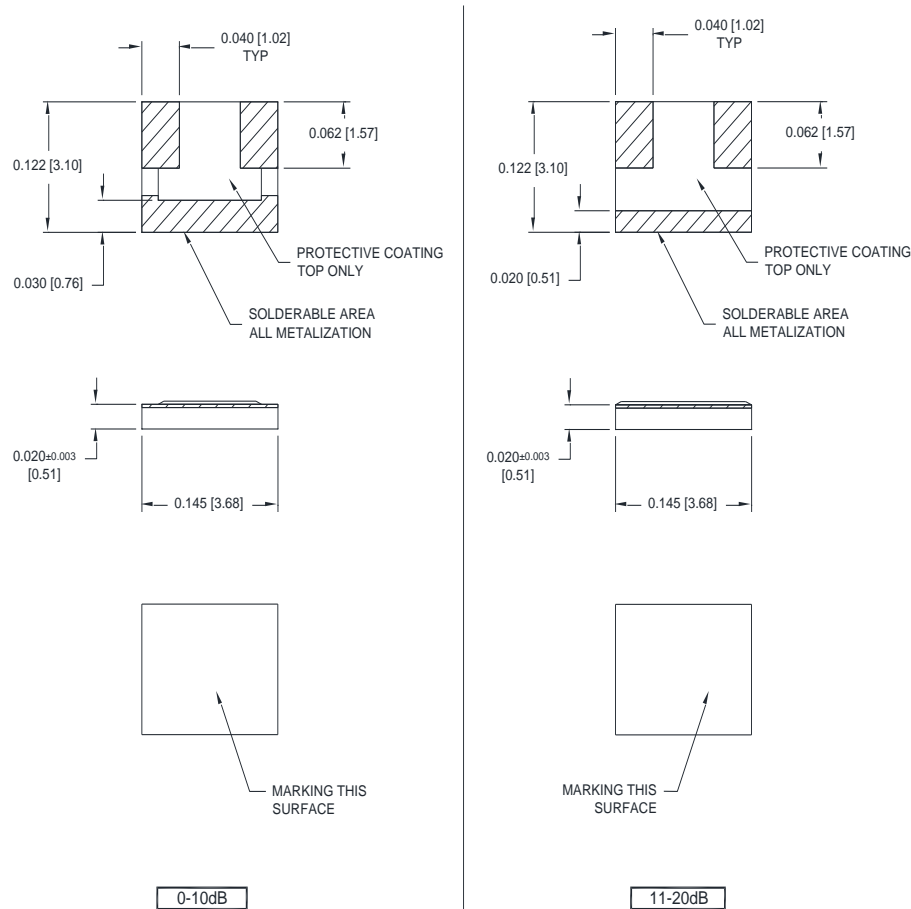
5. PACKAGING:

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.



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
TS03XXF	0.043	0.065	0.065	0.025	0.040	0.150	1.09	1.65	1.65	0.64	1.02	3.81

