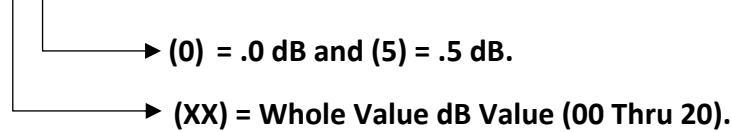




ORDERING INFORMATION

PART IDENTIFIER: TT5XXXF



Assembly Drawing: 1902084.

SPECIFICATIONS

1. ELECTRICAL:

Nominal Impedance:	50 Ω .
Frequency Range:	DC – 18 GHz.
Attenuation Values Available:	0 - 20 dB in 0.5 dB increments.
Attenuation Accuracy:	See Table.

ATTENUATION ACCURACY				
dB	DC – 4 GHz	4 – 8 GHz	8 – 12.4 GHz	12.4 – 18 GHz
0	-0, +0.3	-0, +0.5	-0, +0.5	-0, +0.5
1 – 3	± 0.3	± 0.5	± 0.5	± 0.5
4 – 6	± 0.4	± 0.5	± 0.5	± 0.75
7 – 10	± 0.5	± 0.5	± 0.75	± 1.0
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:	100 Milliwatts Full Rated Power to 125°C, Derated Linearly to 0 Watts at 150°C.
Peak Power:	1 Watt for 10 μ s pulse width @ 1% duty cycle.
VSWR:	1.30 Max.

2. ENVIRONMENTAL:

Operating Temperature:	-55°C to +150°C.
Non-operating Temperature:	-55°C to +150°C.
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". Legibility and Permanency per MIL-STD-130.
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4. QUALITY ASSURANCE:

Sample Inspect Per ANSI/ASQC Z1.4 General Inspection, Level II, AQL = 1.0.
Visual and Mechanical Examination for Conformance to Outline Drawing Requirements.
Perform Inspection in Accordance with 824W170 and 824F036 for Commercial Grade Product.
Test Data Requirements:
No Test Data Required for Customer.
Data Retention – 24 Months.

**5. PACKAGING:**

Packaging:

Standard Pack Per 755W002.

6. MECHANICAL:

Substrate Material:

Alumina 96%, MIL-I-10.

Terminal Material:

Thick film, Lead Free Plating RoHS Compliant.

Resistive Material:

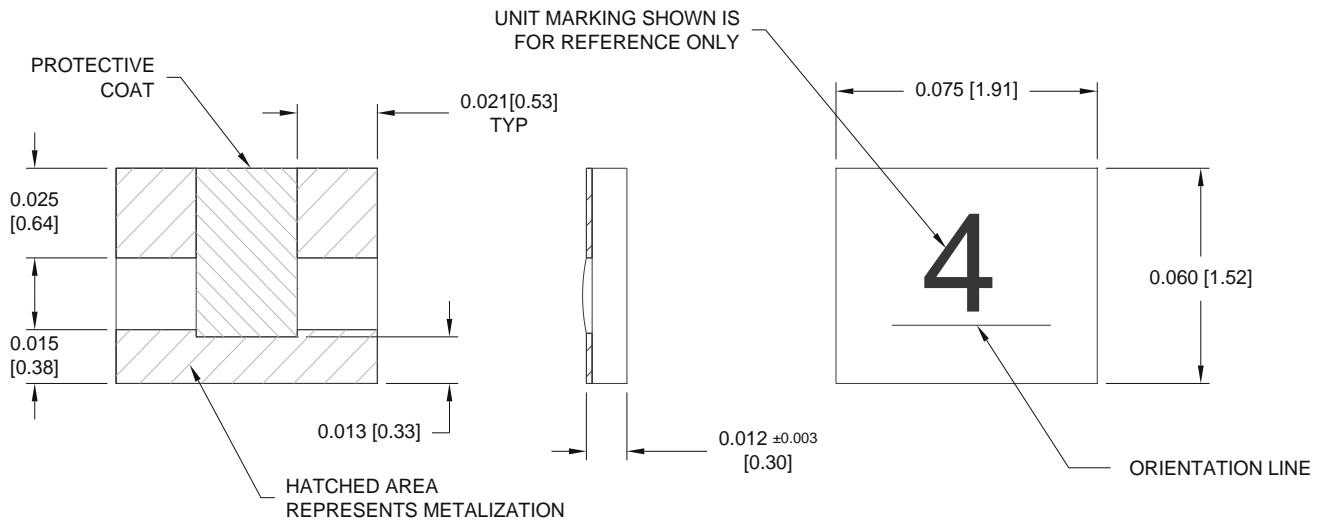
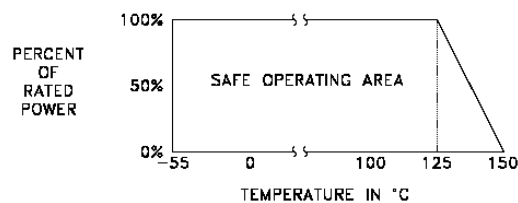
Thin Film, Tantalum Nitride.

Workmanship:

Per MIL-PRF-55342.

Metric Dimensions [mm]:

Provided for reference only.

POWER RATING AND DERATING

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