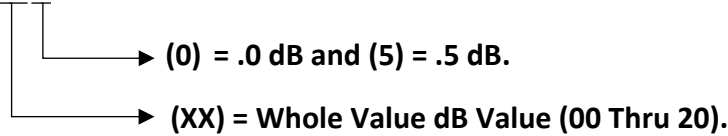




## ORDERING INFORMATION

## PART IDENTIFIER: TT3XXXF



Assembly Drawing: 1901754

## SPECIFICATIONS

## 1. ELECTRICAL:

Nominal Impedance:	50 $\Omega$ .
Frequency Range:	DC – 12.4 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
0	-0, +0.3	-0, +0.5	-0, +0.5
1 – 3.5	$\pm 0.3$	$\pm 0.5$	$\pm 0.5$
4 – 6.5	$\pm 0.4$	$\pm 0.5$	$\pm 0.5$
7 – 10.5	$\pm 0.5$	$\pm 0.5$	$\pm 0.75$
11 – 15.5	$\pm 0.75$	+0.5,-3.0	+0.5,-3.5
16 – 20	$\pm 1.0$	+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 $\mu$ 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.
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.
Electrostatic Discharge Control:	Per MIL-STD-1686.

## 3. MARKING:

Unit Marking:	"dB Value". Green dot adds 0.5 dB. 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:

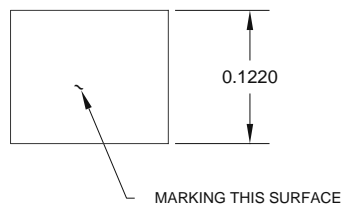
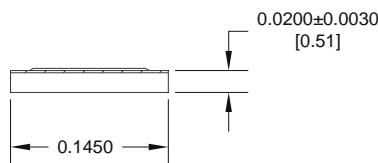
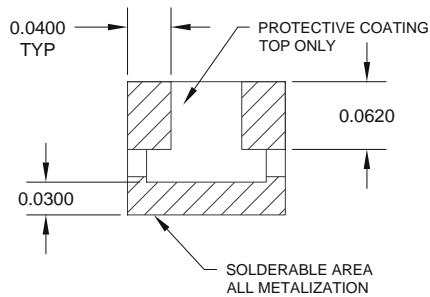
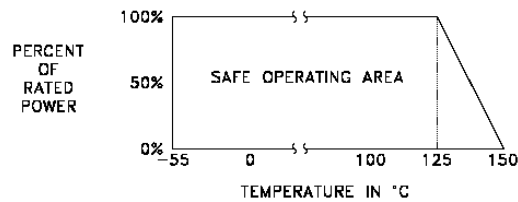
Tantalum Nitride.

Workmanship:

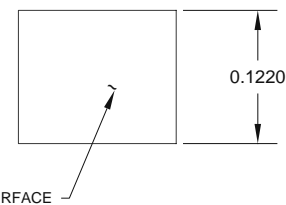
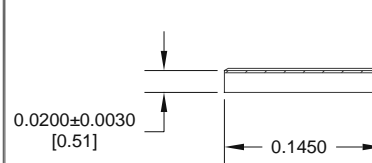
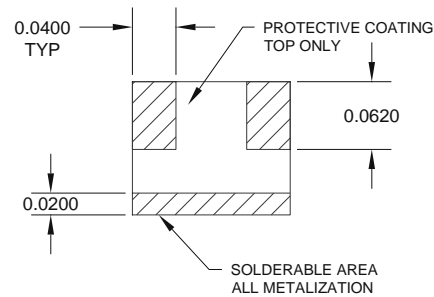
Per MIL-PRF-55342.

Metric Dimensions [mm]:

Provided for reference only.

**POWER RATING AND DERATING**

0-10.5dB



11-20dB

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