

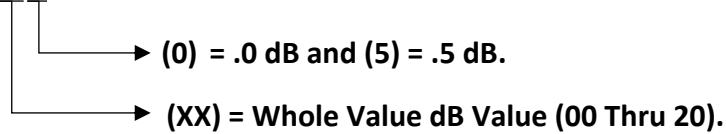
CHIP ATTENUATOR

DATASHEET PART SERIES: TT3XXX

Sheet 1 of 2
Doc# TT3XXX-1001635ECO-085014
Revision K

ORDERING INFORMATION

PART IDENTIFIER: TT3XXX



Assembly Drawing: 1900014

SPECIFICATIONS

1. ELECTRICAL:

Nominal Impedance: 50 Ω .

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	± 0.3	± 0.5	± 0.5
4 – 6.5	± 0.4	± 0.5	± 0.5
7 – 10.5	± 0.5	± 0.5	± 0.75
11 – 15.5	± 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.

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.

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.

CHIP ATTENUATOR

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5. PACKAGING:

Packaging:

Standard Pack Per 755W002.

6. MECHANICAL:

Substrate Material:

Alumina 96%, MIL-I-10.

Terminal Material:

Thick film, Nickel Barrier, Solder Plate Sn90 P10.

Resistive Material:

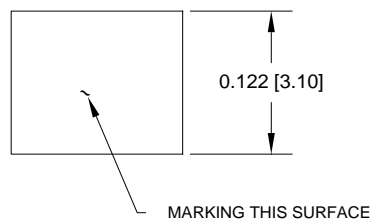
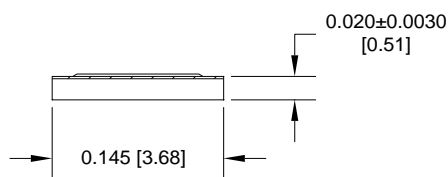
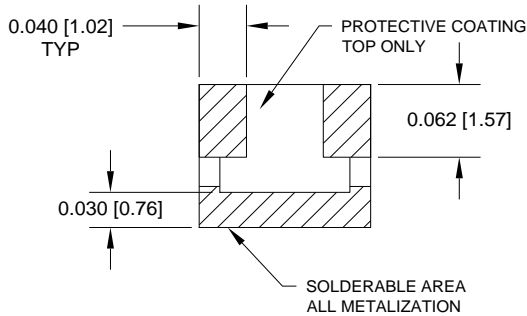
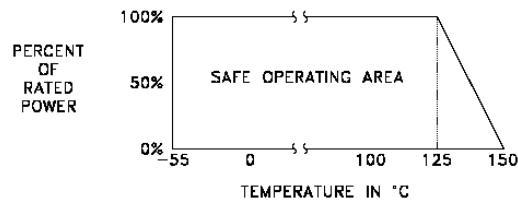
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Workmanship:

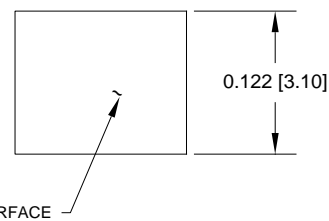
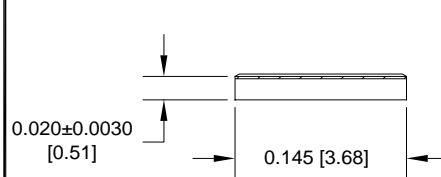
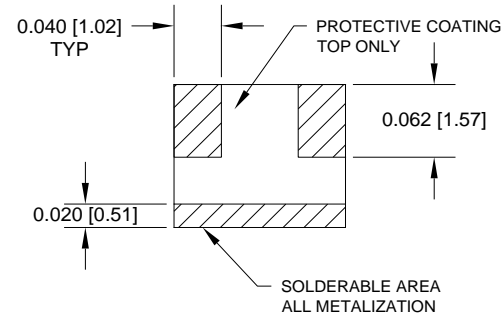
Per MIL-PRF-55342.

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.