



ATTENUATOR CHIP 2 WATT

DATA SHEET

PART SERIES: AT3XXF

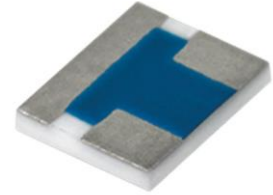
SHEET 1 OF 3
Dwg 1016295ECO-072278
Revision A

FEATURES

Small Footprint
High Power
Surface Mount
Low VSWR
Easy Installation
Wide Attenuation Offering

APPLICATIONS

Mobile Networks
Broadcast
High Power Amplifiers
Isolators/Circulators
Military
Instrumentation



GENERAL DESCRIPTION

Smiths Interconnect offers the widest selection of chip attenuators worldwide. Chip components are offered in Alumina, Aluminum Nitride, Beryllium Oxide, and CVD diamond for maximum performance.

ORDERING INFORMATION

Part Identifier: AT3XXF
(XX) – dB Value

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance: 50 Ω
Frequency Range: DC – 12.4 GHz
Attenuation Values Available: 0 – 6dB in 1 dB increments and 10dB
Attenuation Accuracy:

ATTENUATION ACCURACY	
dB	DC – 12.4 GHz
0	+0.3, -0.0
1 – 6	± 0.75
10	± 0.75

Input Power CW: 2 Watts full rated power to 125°C, derated linearly to 0 watts at 150°C.
Peak Power: 20 watts for 10 μ s pulse width @ 1% duty cycle.
VSWR: 1.30:1 Max

2.0 ENVIRONMENTAL

Operating Temperature: -55°C to +150°C
Non-operating Temperature: -55°C to +150°C
Temperature Coefficient: +/-200 PPM / °C max

3.0 MARKING

Unit Marking: "dB Value"

4.0 QUALITY ASSURANCE

Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL₂

Visual and Mechanical Inspection for Conformance to Outline Drawing

Data Retention - Standard



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5.0 PACKAGING

Standard Packaging:

Tape and Reel

6.0 MECHANICAL

Resistive Film:

Thick Film

Terminal Material:

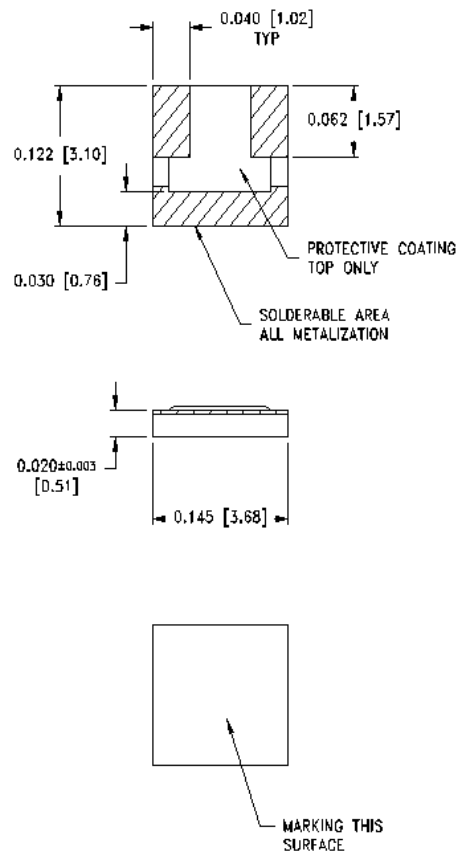
Thick Film, Lead Free Plating

Metric Dimensions:

Provided for reference only

Workmanship

PER MIL-R-55342

Unless Otherwise Specified: TOLERANCE: X.XXX = ± 0.005

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Dwg 1016295

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7.0 SUGGESTED MOUNTING FOOTPRINT

Part Number	Inches						mm					
	A	B	C	D	S	W	A	B	C	D	S	W
AT3XXF	0.043	0.065	0.065	0.025	0.040	0.150	1.09	1.65	1.65	0.64	1.02	3.81

