



ATTENUATOR

CHIP 100 MILLIWATTS

DATA SHEET

PART SERIES: AT7XXF

SHEET 1 OF 2
Dwg 1016315ECO-070843
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

EMC Technology 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: AT7XXF
(XX) – dB Value

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC – 6 GHz
Attenuation Values Available:	0 – 6dB in 1 dB increments and 10dB
Attenuation Accuracy:	±0.75 dB
Input Power CW:	100 Milliwatts full rated power to 125°C, derated linearly to 0 watts at 150°C.
VSWR:	DC – 6 GHz - 1.50:1

2.0 ENVIRONMENTAL

Operating Temperature:	-55°C to +150°C
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3.0 MARKING

Unit Marking:	dB Value" and Orientation Line
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4.0 QUALITY ASSURANCE

Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.
Visual and Mechanical Inspection for Conformance to Outline Drawing
Measure DCR and calculate DCA
Data Retention - Standard

5.0 PACKAGING

Standard Packaging:	Tape and Reel
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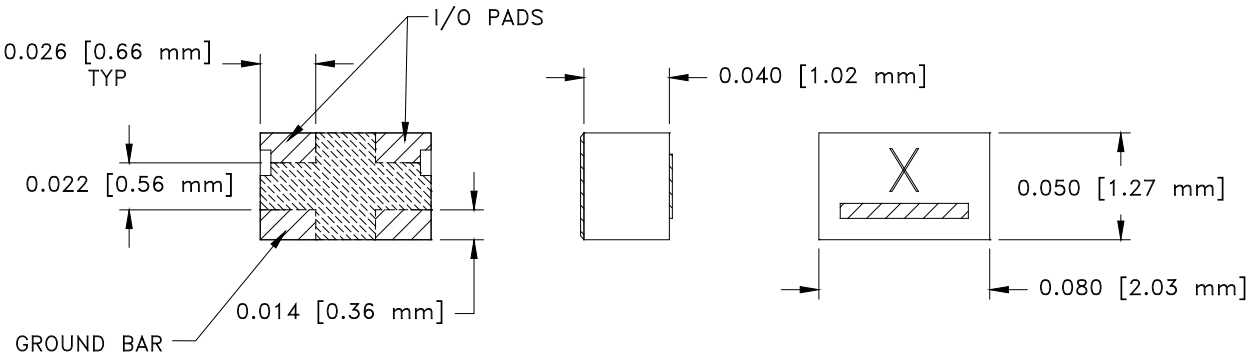


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6.0 MECHANICAL

Resistive Film:	Thick Film
Terminal Material:	Thick Film, RoHS Compliant
Metric Dimensions:	Provided for reference only
Workmanship	PER MIL-R-55342



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

7.0 SUGGESTED MOUNTING FOOTPRINT

Part Number	Inches							mm						
	A	B	C	D	S	S2	W	A	B	C	D	S	S2	W
TS07XX	0.027	0.018	0.032	0.028	0.028	0.013	0.080	0.69	0.46	0.81	0.71	0.71	0.33	2.03

