ATTENUATOR
TAB & COVER 100 WATT

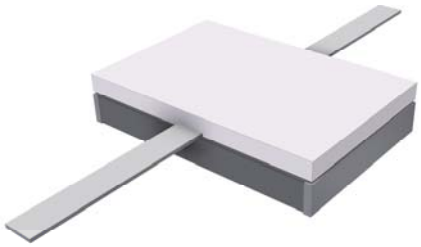
DATA SHEET **PART SERIES: 83A7023TCXX.XXF**

FEATURES

- Tab Launch
- High Power
- Excellent Heat Transfer
- Low VSWR
- Easy Installation
- Wide Attenuation Offering

APPLICATIONS

- Mobile Networks
- Broadcast
- High Power Amplifiers
- Isolators
- Military
- Instrumentation



GENERAL DESCRIPTION

EMC Technology offers the widest selection of flangeless attenuators worldwide. Tab and cover components offer the highest performance of any style of attenuator component.

ORDERING INFORMATION

Part Identifier:

83A7023TCXX.XXF

Attenuation Value

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC - 2.5 GHz
Attenuation Values Available:	20 and 30 dB
Attenuation Accuracy:	20 ± 1.5 dB
	30 ± 1.5 dB
Input Power CW:	100 watts @ 100˚C heat sink, derated linearly to zero power at 150˚C
Peak Power:	1000 watts (based on 10us pulse width and 1% duty cycle)
VSWR:	1.20:1 Max

2.0 ENVIRONMENTAL

Operating Temperature:	-55˚C to +150˚C
Non-operating Temperature:	-65˚C to +150˚C
Temperature Coefficient:	+/-200 PPM / ˚C max

3.0 MARKING

Unit Marking:	Logo and Part Number; legibility and permanency per MIL-STD-130

4.0 QUALITY ASSURANCE

Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.
Visual and Mechanical Examination for Conformance To Outline Drawing Requirements.
Measure Attenuation and VSWR
Data Retention – Standard

5.0 PACKAGING

Standard Packaging:	Tray

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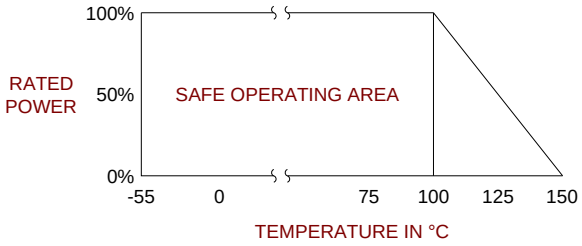
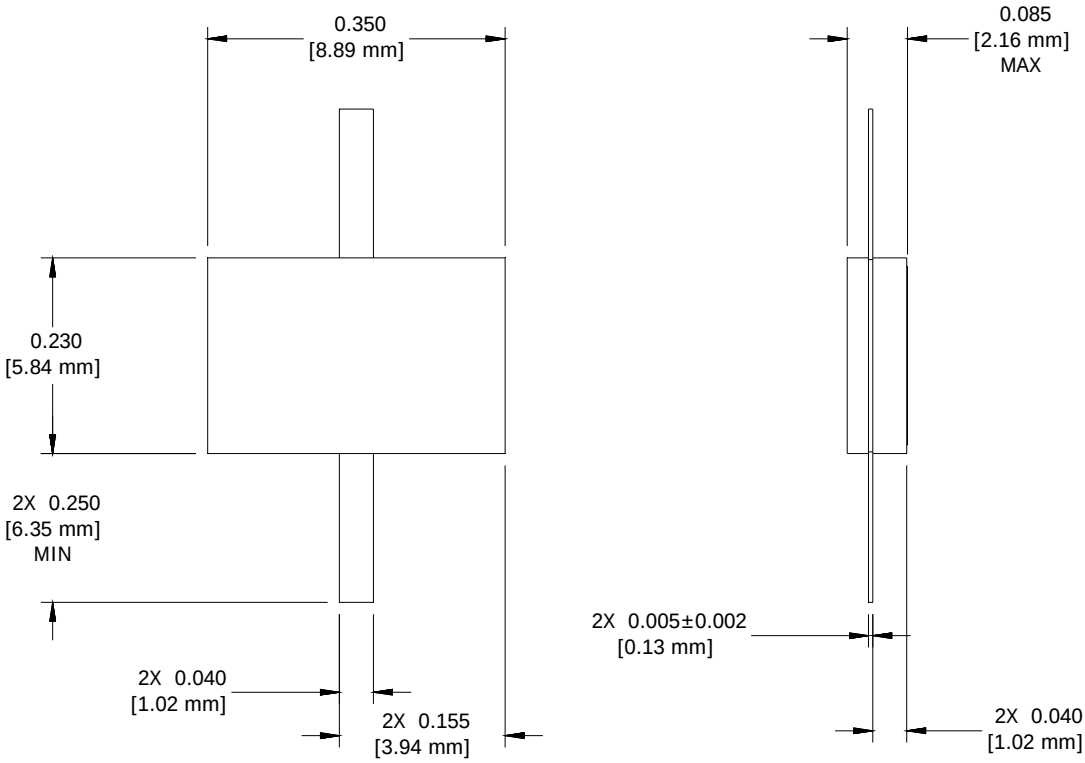
6.0 MECHANICAL

Substrate Material:	Aluminum Nitride
Resistive Film:	Thin Film
Cover Material:	Alumina
Tab Material:	Beryllium Copper
Tab Finish:	Silver plated
Metric Dimensions:	Provided for reference only





Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.02 X.XXX = ± 0.010