

# ATTENUATOR FLANGE MOUNT 100 WATT



DATA SHEET

PART SERIES: 33-7004-XX.XX

SHEET 1 OF 2  
Dwg 33-7004

EN 13-3530  
Revision-

## FEATURES

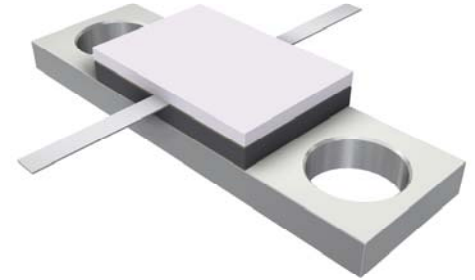
- Tab Launch
- High Power
- Integrated Heat Sink
- Low VSWR
- Easy Installation

## APPLICATIONS

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

## GENERAL DESCRIPTION

EMC Technology offers the widest selection of flange mount attenuators worldwide. High power flange components offer excellent performance and the convenience of bolt on installation.



## ORDERING INFORMATION

### Part Identifier:

33-7004-XX.XX

Attenuation Value

## SPECIFICATIONS

### 1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC - 3.0 GHz
Attenuation Values Available:	1 through 10 dB in 1 dB increments and 15, 20, and 30 dB
Attenuation Accuracy:	± 1.0 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:	DC - 1.0 GHz 1.15:1 Max 1.0 - 2.0 GHz 1.25:1 Max 2.0 - 3.0 GHz 1.30:1 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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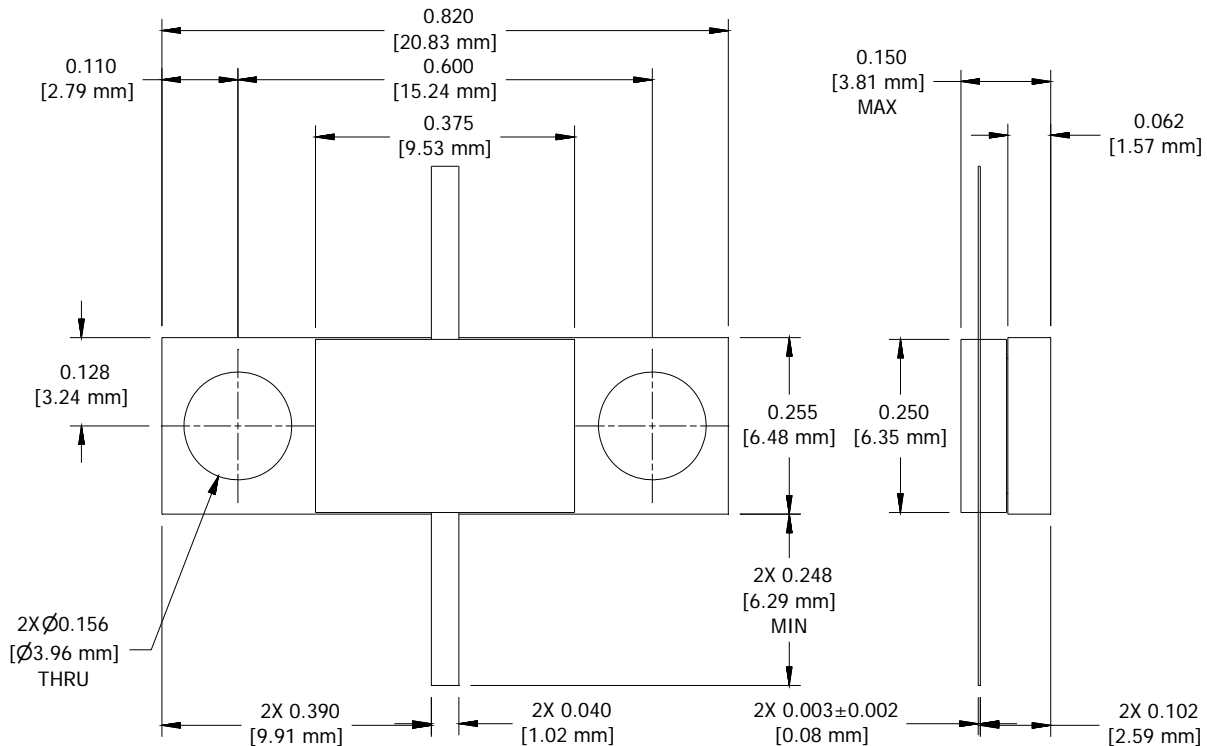
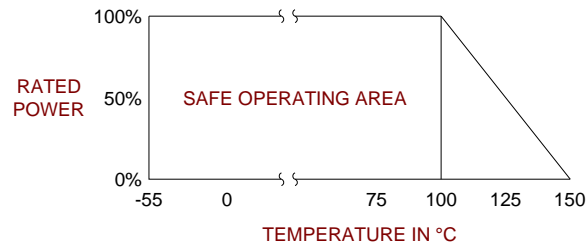
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## 6.0 MECHANICAL

Substrate Material:	Aluminum Nitride
Resistive Film:	Nichrome
Cover Material:	Alumina
Tab Material:	Beryllium Copper
Tab Finish:	Tin/Lead
Flange Material:	Copper
Flange Finish:	Nickel
Metric Dimensions:	Provided for reference only



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