

# TERMINATION FLANGE MOUNT 100 WATT



DATA SHEET

PART SERIES: 32B7163F

SHEET 1 OF 2  
Dwg 32B7163F

EN 13-3516  
Revision-

## FEATURES

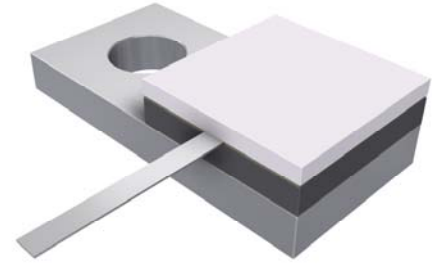
- Tab Launch
- High Power
- Integrated Heat Sink
- Low VSWR
- Easy Installation

## APPLICATIONS

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

## GENERAL DESCRIPTION

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



## ORDERING INFORMATION

**Part Identifier:** 32B7163F

## SPECIFICATIONS

### 1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC – 4.0 GHz
VSWR:	DC – 2.0 GHz 1.08:1 Max 2.0 – 4.0 GHz 1.20:1 Max
Input Power CW:	100 watts at 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)
DC Resistance:	50 $\Omega$ $\pm$ 5%

### 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 Identifier, legibility and permanency per MIL-STD-130
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### 4.0 QUALITY ASSURANCE

Visual and Mechanical Inspection:	Per 824W107
DC Resistance Check:	100% DC Resistance Check
Data Retention:	Standard

### 5.0 PACKAGING

Standard Packaging:	Tray Packaging
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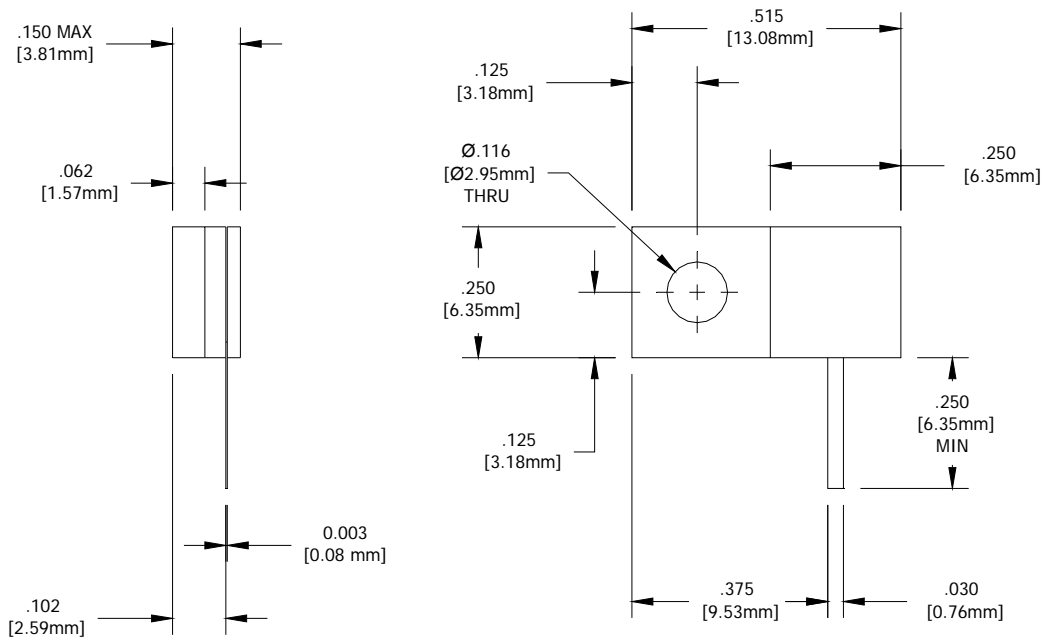
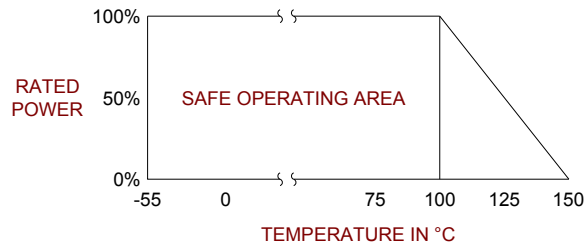
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## 6.0 MECHANICAL

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



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