

TERMINATION FLANGE MOUNT 100 WATT



DATA SHEET

PART SERIES: 32A7165F

SHEET 1 OF 2
Dwg 32A7165F

EN 13-3517
Revision-

FEATURES

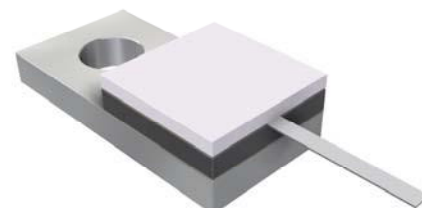
Tab Launch
High Power
Integrated Heat Sink
Low VSWR
Easy Installation

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: 32A7165F

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 @ 100°C heat sink, derated linearly to zero power and 150°C
Peak Power:	1000 Watts (based on 10us pulse width and 1% duty cycle)
DC Resistance:	50 Ω $\pm$ 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 Number, 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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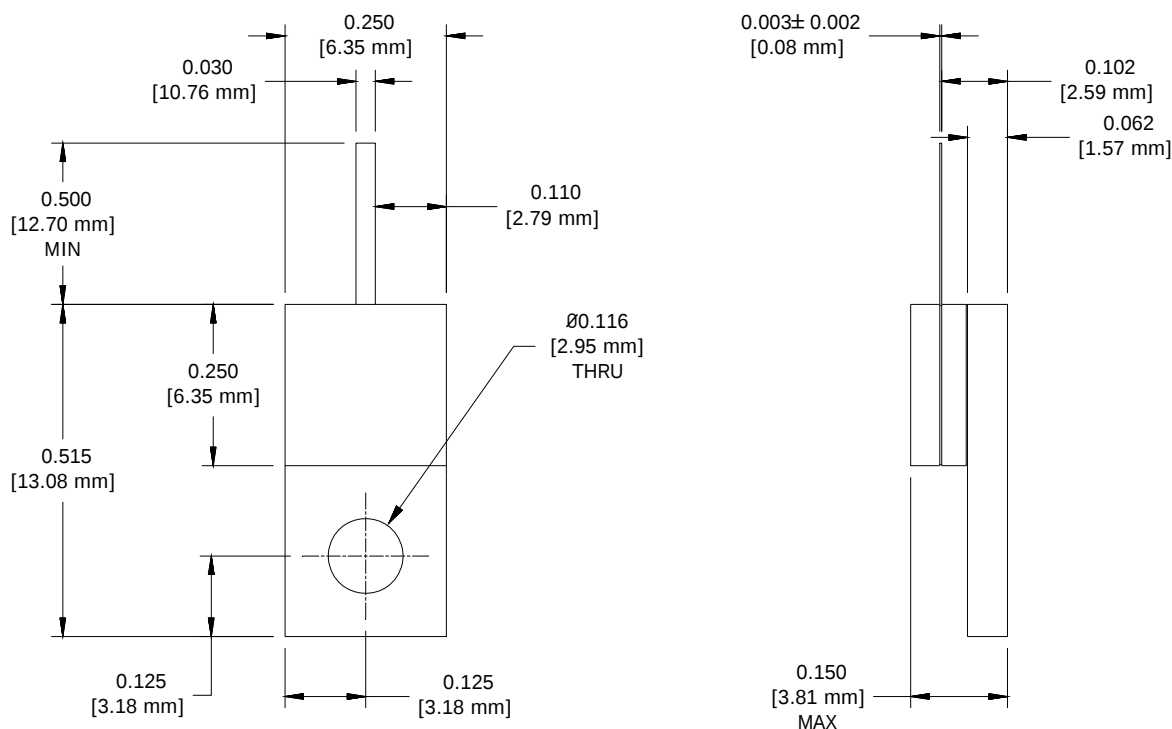
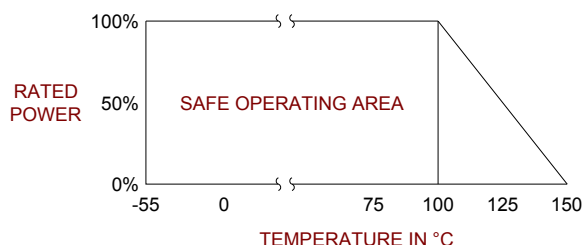
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6.0 MECHANICAL

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



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