

ATTENUATOR

FLANGE MOUNT 400 WATT

DATA SHEET

PART SERIES: 33A105020.00F

SHEET 1 OF 2
Doc 1016485ECO-072625
Revision A

FEATURES

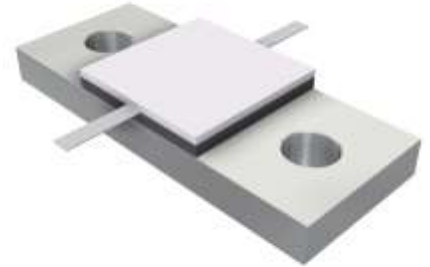
Tab Launch
High Power
Integrated Heat Sink
Low VSWR
Easy Installation

APPLICATIONS

Mobile Networks
Broadcast
High Power Amplifiers
Isolators
Military
Instrumentation

GENERAL DESCRIPTION

Smiths Interconnect 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: 33A105020.00F

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 Ω
Frequency Range:	DC - 1.0 GHz
Attenuation Values Available:	20 dB
Attenuation Accuracy:	20 dB
Input Power CW:	400 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	4000 watts (based on 10 μ s pulse width and 1% duty cycle)
VSWR:	1.3:1 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: In/Out, 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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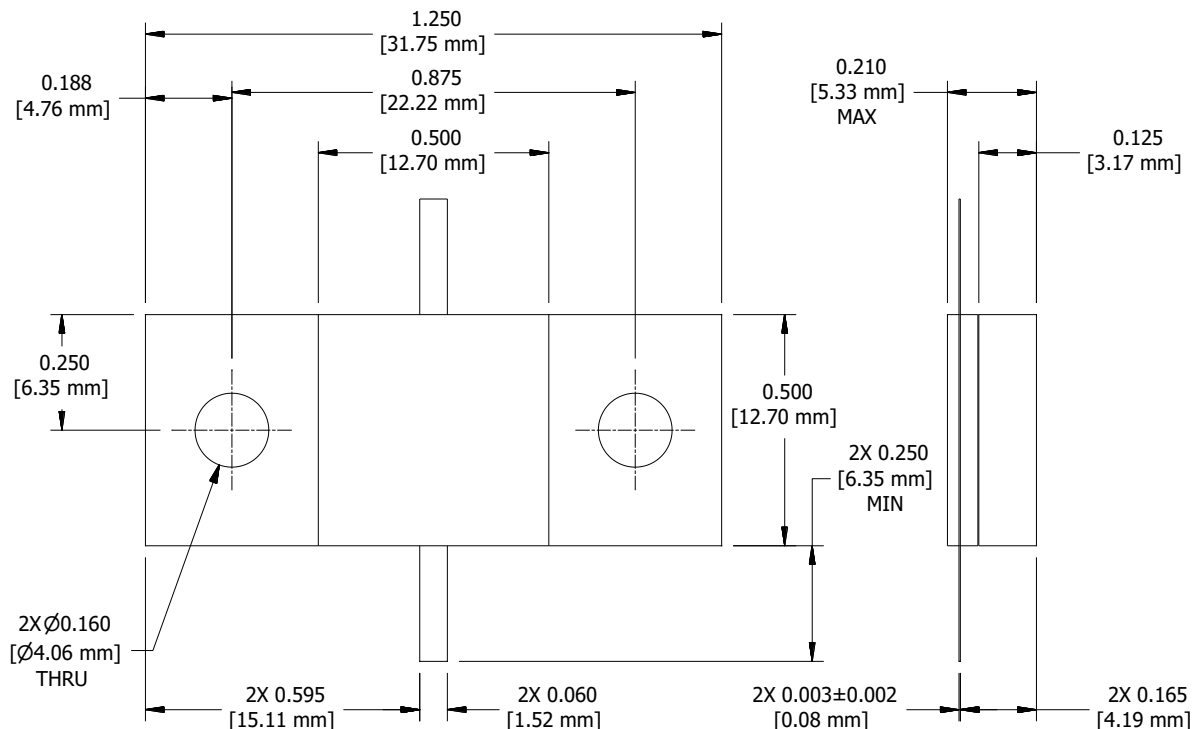
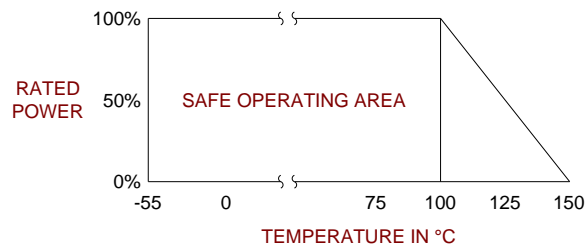
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6.0 MECHANICAL

Substrate Material:	Beryllium Oxide
Resistive Film:	Thin Film
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