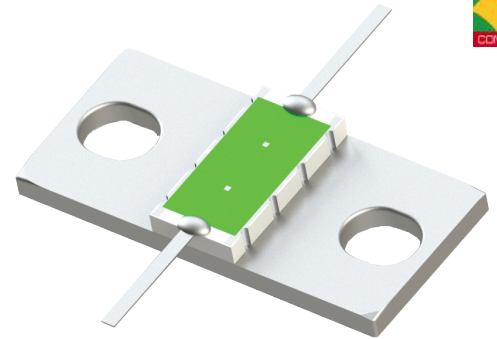


AXXXX-150-10Y Features:

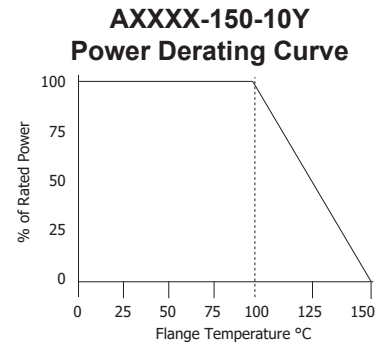
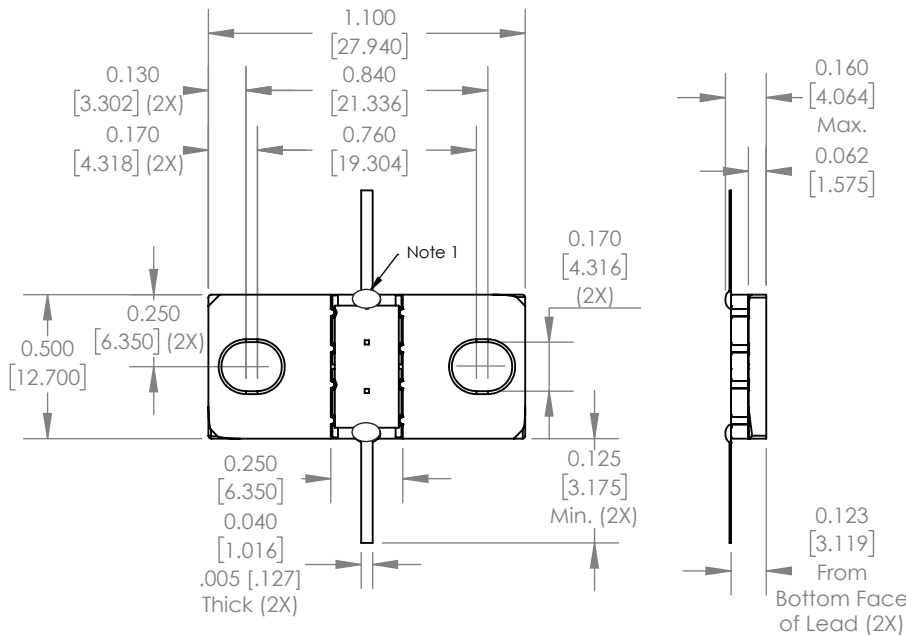
- Flange Mount
- RoHS Compliant
- Customer Defined Testing Available
- High Rated Power
- Epoxy Reinforced Leads
- Symmetrical Design¹



AXXXX-150-10Y Parameters:

Attenuation Range :	0 - 23.5dB
Operating Frequency:	DC - 10GHz
Attenuation Tolerance:	see page 2
VSWR:	see page 3
Input Power:	150W**
Impedance:	50Ω
Resistor Construction:	Thick Film on BeO
Flange Construction:	Silver Plated Copper
Lead Construction:	Silver Plated Copper
Operating Temperature:	-55 to +150°C

AXXXX-150-10Y Dimensions:



Dimensions in inches [mm]
Tolerance is ± 0.010 [0.254] unless otherwise stated

¹ Epoxy Reinforced Lead (2X)
¹ Can be mounted in either direction
^{**} For 0dB to 10dB. Rating based on ≤100°C constant baseplate temperature

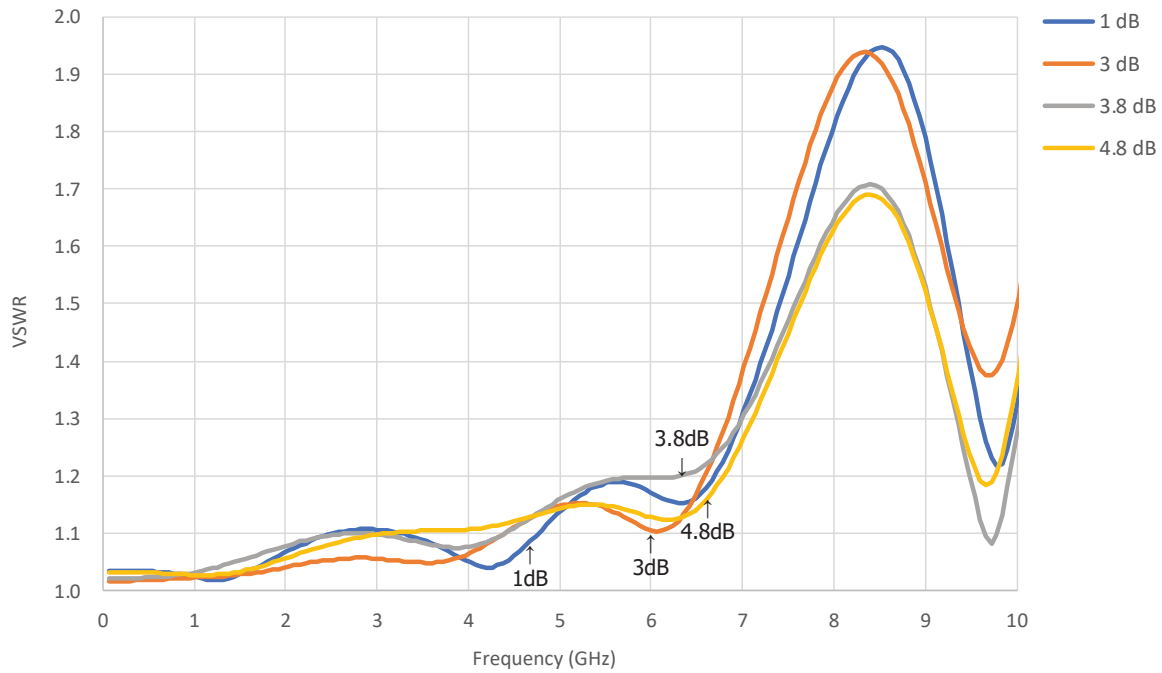
Ordering Information:

A	XXXX	-	150	-	10Y
Prefix for Flanged Attenuator with BeO Substrate	Value Code Examples: 0000 - 0dB 0180 - 1.8dB 0080 - 0.8dB 0500 - 5dB 0100 - 1dB 1000 - 10dB		Input Power 150 - 150W		Assigned by Factory

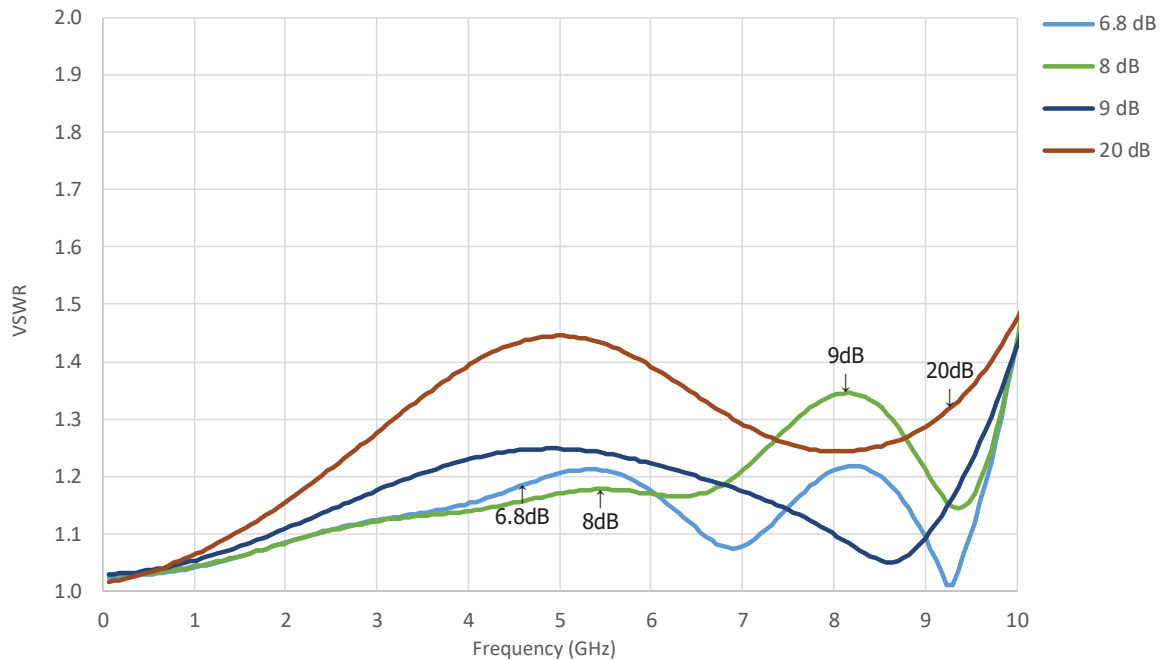
Barry Industries reserves the right to change part number and/or process without notification.

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AXXXX-150-10Y VSWR (1db - 4.8dB):

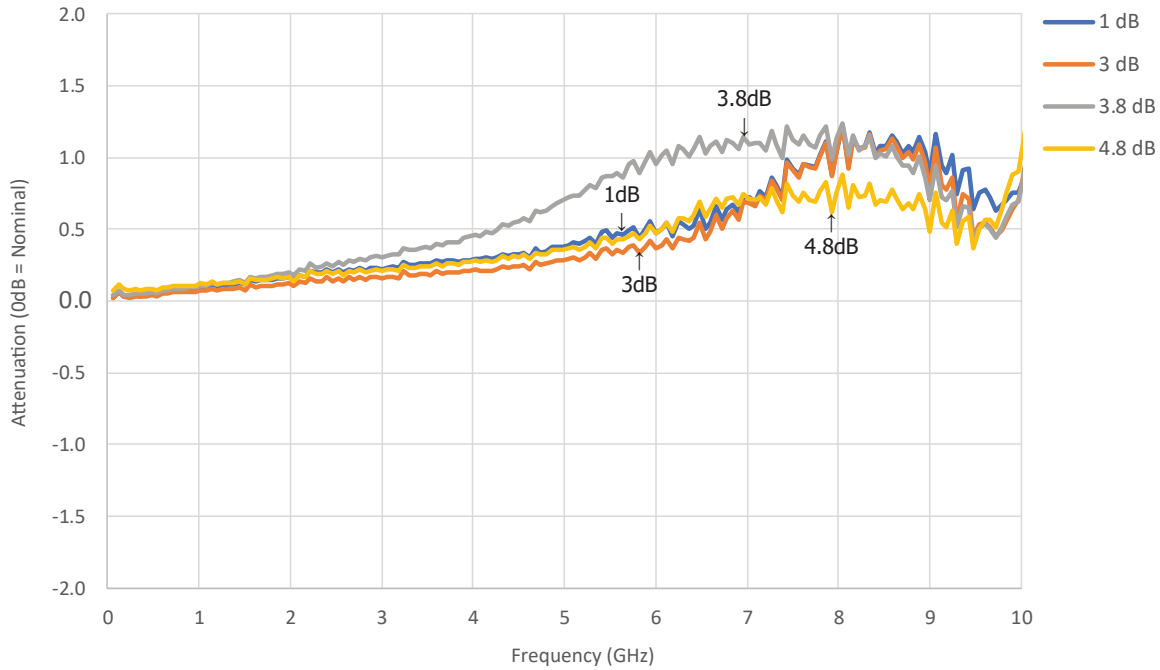


AXXXX-150-10Y VSWR (6.8db - 20dB):

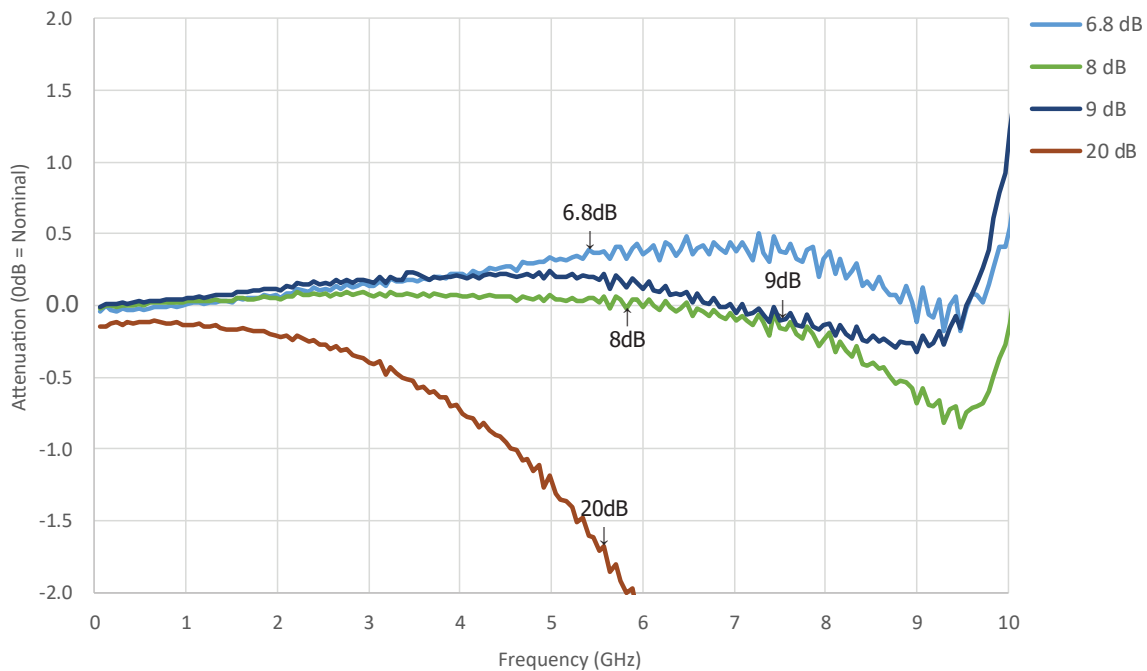


Barry Industries reserves the right to change part number and/or process without notification.

AXXXX-150-10Y Attenuation Accuracy (1dB - 4.8dB):



AXXXX-150-10Y Attenuation Accuracy (6.8dB - 20dB):



Barry Industries reserves the right to change part number and/or process without notification.

AXXXX-150-10Y Reliability Data:

Parameter:	Test Condition:	Results:
Short Time Overload	Apply 1.1x Rated Power for 5 Seconds.	≤ 5.0% Resistance Shift
Rated Load Life	Apply 1/2 Power Under 40°C ±2°C 90 Minutes on/ 30 Minutes off. Repeat for 100 hours	≤ 5.0% Resistance Shift
Moisture Resistance	MIL-PRF-55342 para.4.8.9 95% RH, 25°C - 65°C	≤ 5.0% Resistance Shift
Resistance to Soldering Heat (Lead)	MIL-STD-202 Method 210 Test Condition "A"	≤ 5.0% Resistance Shift
Resistance to Soldering Heat (Assembly)	MIL-STD-202 Method 210 Test Condition "J"	≤ 5.0% Resistance Shift
Terminal Strength	MIL-STD-202 Method 211 Test Condition "A" 3lbs. Test Condition "B" 5 bends	No Significant Abnormality (Visual)
Solderability (Lead only)	MIL-STD-202 Method 208 Test C	>95% Covered
High Temperature Storage	125°C ±2°C for 500 Hours	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)
Thermal Shock	-5°C to +150°C 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)

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