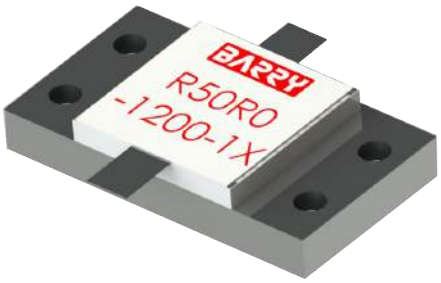
Barry Industries

1200W BeO Flanged Resistor

RXXXX-1200-1X

RXXXX-1200-1X Features:

- Flange Mount
- RoHS Compliant
- Customer Defined Testing Available
- High Rated Power
- Covered Resistor Element
- ±5% Resistor Tolerance

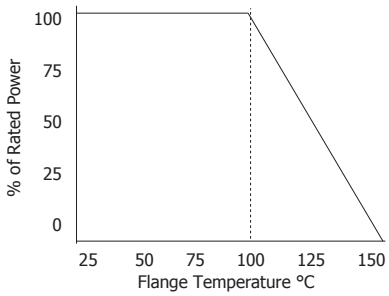


RXXXX-1200-1X Parameters:

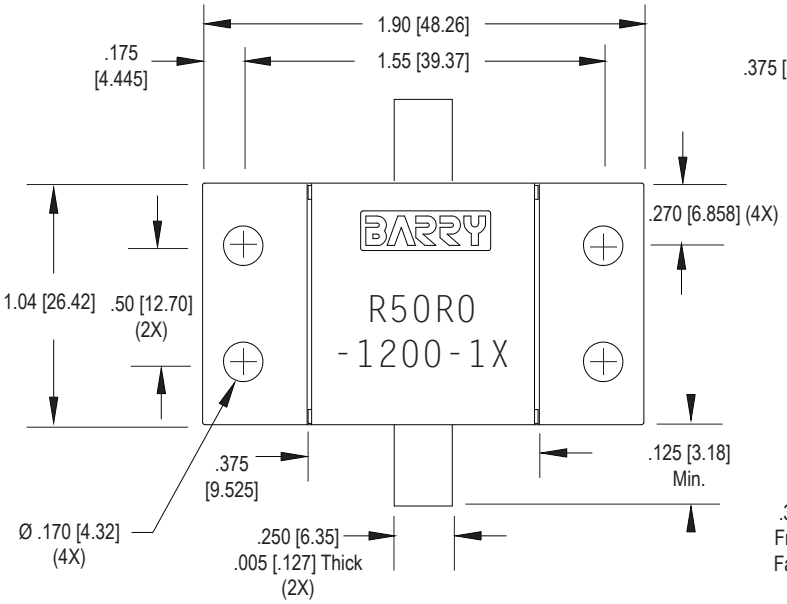
Rated Power:	1200W*
Capacitance (Typical):	11pF at 1MHz
Resistor Construction:	Thick Film on BeO
Flange Construction:	Silver Plated Copper
Lead Construction:	Silver Plated Copper
Operating Temperature:	-55 to +150°C

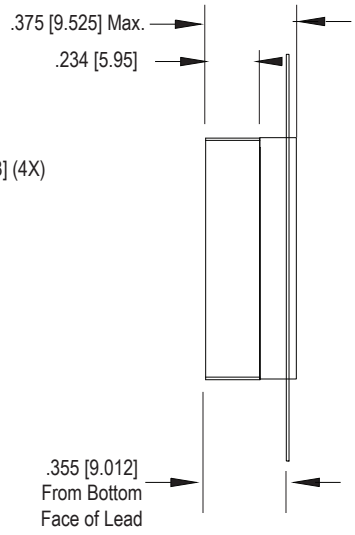
* Rating based on ≤100°C constant flange temperature

RXXXX-1200-1X Power Derating Curve



RXXXX-1200-1X Dimensions:





RoHS COMPLIANT

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

Ordering Information:

Example Part Number: R50R0-1200-1X

R XXXX - 1200 - 1X

Prefix for Flanged Resistor	Value Code Examples		Rated Power	Assigned by Factory
	1R00 - 1Ω	1001 - 1KΩ	1200 - 1200W	
	10R0 - 10Ω	1002 - 10KΩ		
	1000 - 100Ω	1003 - 100KΩ		

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

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RXXXX-1200-1X 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
Insulation	Apply DC 500V for 1 Minute	>1000Mohm
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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