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R50R0-800-1X



BeO

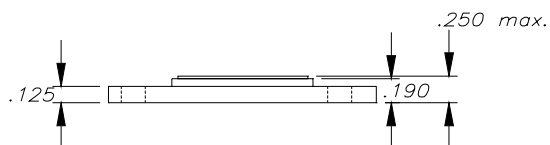
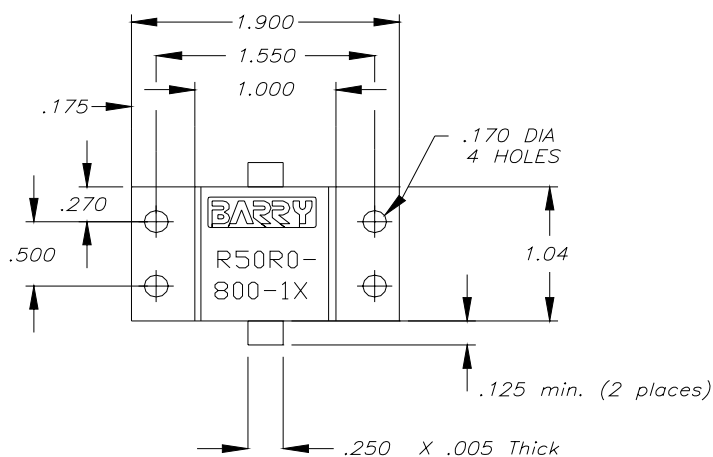
FLANGED RESISTOR

Features:

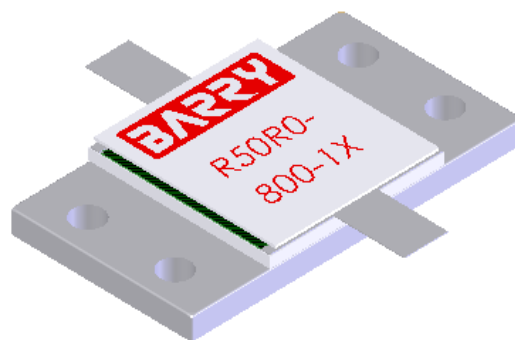
- ◆ BeO Material
- ◆ 800 Watt Input Power
- ◆ Flange Mount

General Description:

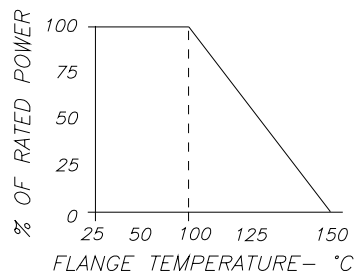
The R50R0-800-1X is a 50 ohm, BeO flange mounted resistor. It has an input power of 800 watts, while maintaining a constant flange temperature up to 100°C.



Dimensions in inches
Tolerance $\pm .010$
unless otherwise stated



DERATING CURVE:



Parameter	Min.	Typ.	Max.	Units
Input Power			800	Watts
Resistance	47.5	50	52.5	Ohms
Flange Temperature			100	°C

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

Barry Industries, Inc., 60 Walton St., Attleboro, MA 02703 T: 508-226-3350 F: 508-226-3317 E-mail: sales@barryind.com

Barry Industries maintains an ISO 9001 Certified Quality Management System

Origination Date	Revision Date	Rev.
07/17/08	07/17/08	-
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Reliabilities

Parameter	Test Conditions	Results
Short Time Overload	Apply 1.1 rated power for 5 sec	± 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" 3 lbs. Test condition "B" 5 bends	No Significant Abnormality (Visual)
Solderability (lead only)	MIL-STD-202 Method 208 Test C	>95% covered
Insulation	Apply DC 500 V for 1 Minute	>1000Mohm
High Temperature Storage	1.) 125°C ±2°C 2.) 500 Hours	1.) Resistance shift ±5.0% 2.) No Significant Abnormality (Visual)
Thermal Shock	Test condition -5°C to + 150°C 30 min. dwell 5 cycles	1.) Resistance shift ±5.0% 2.) No Significant Abnormality (Visual)

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