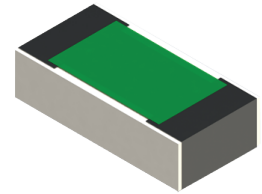


R Y1005ZZ-XXXXJN-98 Features:

- Wraparound w/ Isolated Center Pad Configuration
- Solder Attachment
- Customer Defined Testing Available
- Tape & Reel or Waffle Pack Available (Standard is bulk)
- 5% Resistor Tolerance



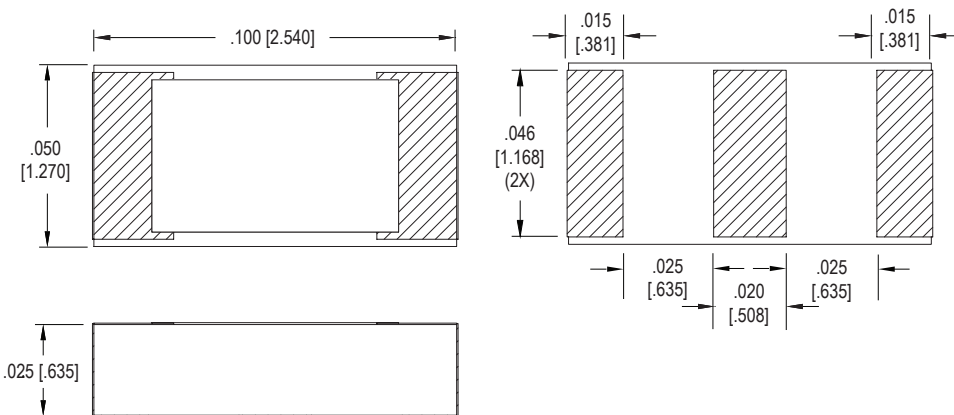
R Y1005ZZ-XXXXJN-98 Parameters:

Resistance Range: 0.5Ω to 1MΩ
 Rated Power: 8W*
 Construction: Thick Film on BeO
 Operating Temperature: -55 to +150°C

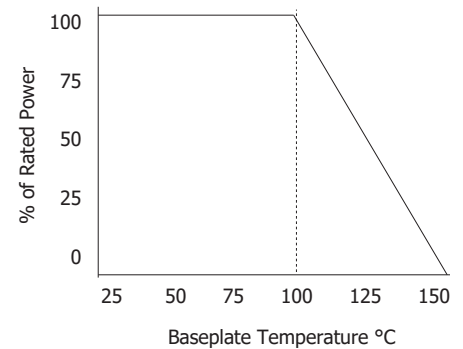
Actual Size

* Rating based on ≤100°C constant baseplate temperature

R Y1005ZZ-XXXXJN-98 Dimensions:



R Y1005ZZ-XXXXJN-98 Power Derating Curve



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

Ordering Information:

RY	1005	ZZ	- 50R0	J	N	-	98	UU
Prefix for Wraparound Resistor w/ Isolated Center Pad			Value Code Examples	Tolerance	Normal Inspection	Substrate	Packaging	
Size			10R0 - 10Ω	J - 5%	Contact factory for additional options	98 - 0.025" BeO	Blank - Bulk	
1005			1000 - 100Ω				TR - Tape and Reel	
			1001 - 1KΩ				WP - Waffle Pack	
			1002 - 10KΩ					
			1003 - 100KΩ					
			1004 - 1MΩ					

Terminal Metallization

CB - Sn62 Tin Lead over Nickel over Silver
 CT - 100% Matte Tin over Nickel over Silver

RoHS	Magnetic	Solder	Epoxy	Wirebond
No	Yes	Yes	No	No
Yes	Yes	Yes	No	No

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

RY1005ZZ-XXXXJN-98 Reliability Specifications:

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	MIL-STD-202 Method 210 and MIL-PRF-55342 Para 4.8.8.1	≤ 5.0% Resistance Shift
Resistance to Bonding Exposure	MIL-PRF-55342 Para 4.8.8.2	≤ 5.0% Resistance Shift
Solderability	MIL-PRF-55342 Para 4.8.12	>95% Covered
High Temperature Storage	125°C ±2°C for 500 Hours	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)
Thermal Shock	-65°C to +150°C 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)

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