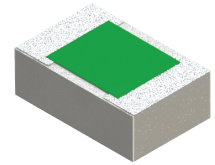


RY0805ZZ-XXXXJN-98 Features:

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

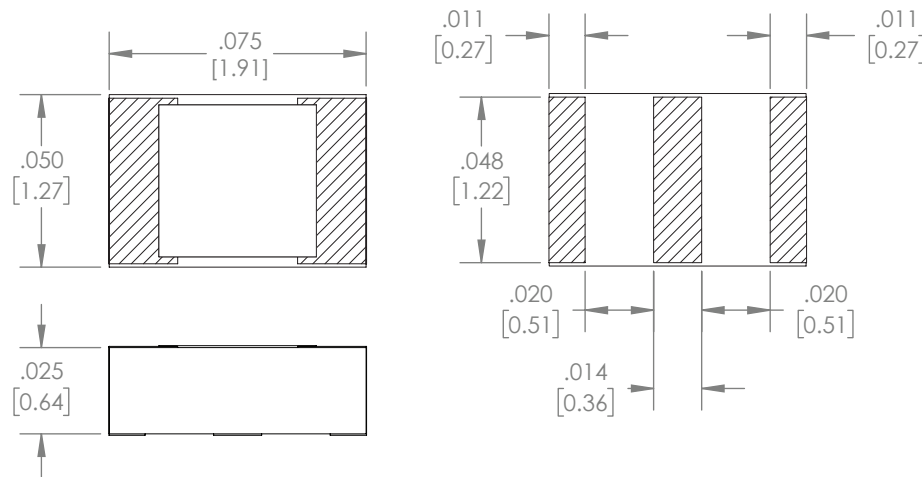


RY0805ZZ-XXXXJN-98 Parameters:

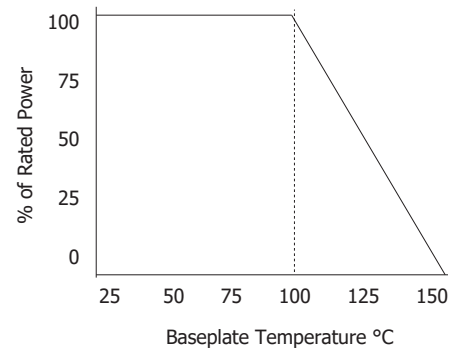
Resistance Range: 0.5Ω to 1MΩ
 Rated Power: 5W*
 Construction: Thick Film on BeO
 Operating Temperature: -55 to +150°C

* Rating based on ≤100°C constant baseplate temperature

RY0805ZZ-XXXXJN-98 Dimensions:



RY0805ZZ-XXXXJN-98 Power Derating Curve



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

Ordering Information:

RY	0805	ZZ	- XXXX	J	N	-	98	UU
Prefix for Wraparound Resistor w/ Isolated Center Pad			Value Code Examples 10R0 - 10Ω 1002 - 10KΩ 1000 - 100Ω 1003 - 100KΩ 1001 - 1KΩ 1004 - 1MΩ	Tolerance J - 5%	Normal Inspection Contact factory for additional options		Substrate 98 - 0.025" BeO	Packaging Blank - Bulk TR - Tape and Reel WP - Waffle Pack
Size 0805								

Terminal Metallization

	RoHS	Magnetic	Solder	Epoxy	Wirebond
CB - Sn62 Tin Lead over Nickel over Silver	No	Yes	Yes	No	No
CT - 100% Matte Tin over Nickel over Silver	Yes	Yes	Yes	No	No

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

RY0805ZZ-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 to +125 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)

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

Barry Industries maintains an ISO9001 Certified Quality Management System.