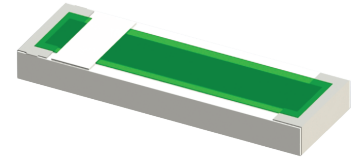


### RZ1505ZZ-XXXXJN-96 Features:

- Wraparound w/ One Extended Pad Configuration
- RoHS Compliant or SnPb Available
- Solder Attachment
- Customer Defined Testing Available
- Tape & Reel or Waffle Pack Available (Standard is bulk)
- 5% Resistor Tolerance

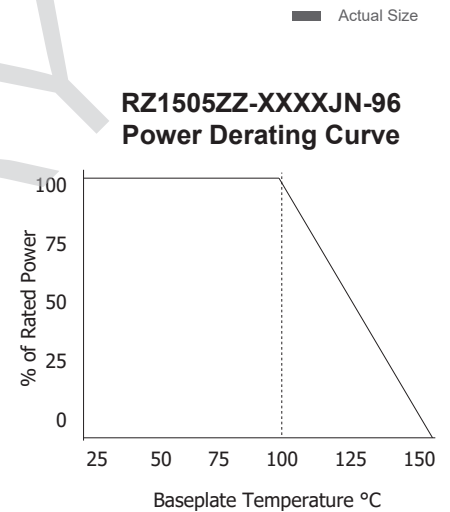


### RZ1505ZZ-XXXXJN-96 Parameters:

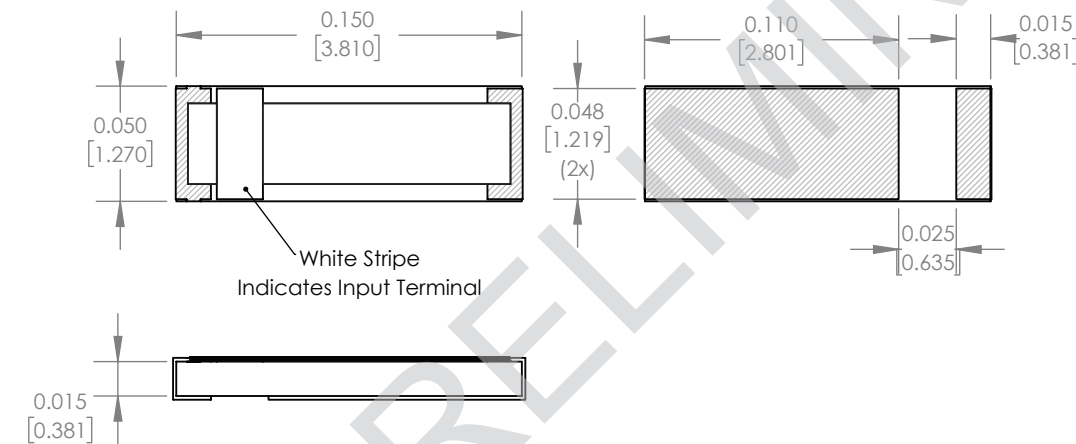
Resistance Range:	0.5Ω - 1MΩ
Rated Power:	8W*
Construction:	Thick Film on BeO
Operating Temperature:	-55 to +150°C

\* Rating based on ≤100°C constant baseplate temperature

### RZ1505ZZ-XXXXJN-96 Power Derating Curve



### RZ1505ZZ-XXXXJN-96 Dimensions:



Dimensions in inches [mm]  
Tolerance is ± 0.005 [0.127] unless otherwise stated

### Ordering Information:

<b>RZ</b>	<b>1505</b>	<b>ZZ</b>	<b>- XXXX</b>	<b>J</b>	<b>N</b>	<b>-</b>	<b>96</b>	<b>UU</b>
Prefix for Wraparound Resistor w/ One Extended Mounting Pad	Size		Value Code Examples 10R0 - 10Ω    1500 - 150Ω 50R0 - 50Ω    5000 - 500Ω 1000 - 100Ω    1001 - 1KΩ	Tolerance J - 5%	Normal Inspection Contact factory for additional options		Substrate 96 - 0.015" BeO	Packaging Blank - Bulk TR - Tape and Reel WP - Waffle Pack

### Terminal Metallization

	RoHS	Magnetic	Solder	Epoxy	Wirebond
AS - SnPb over Platinum Palladium Gold	No	No	Yes	No	No
CB - SnPb 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.

## RZ1505ZZ-XXXXJN-96 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
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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