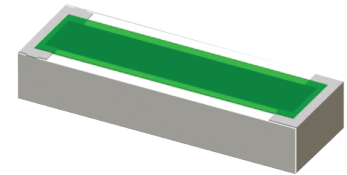


RY1505ZZ-XXXXJN-98 Features:

- Wraparound w/ Isolated Center 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



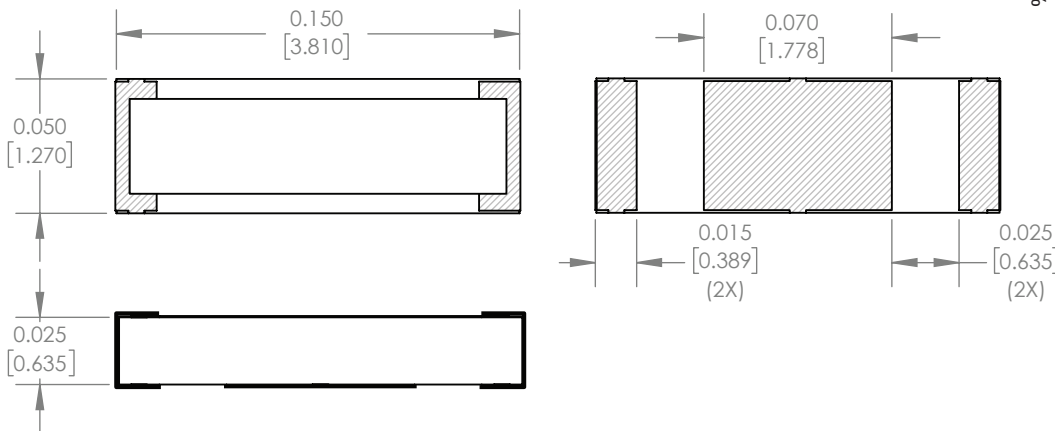
RY1505ZZ-XXXXJN-98 Parameters:

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

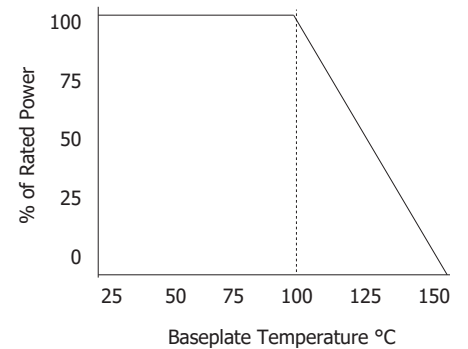
Actual Size

* Rating based on ≤100°C constant baseplate temperature

RY1505ZZ-XXXXJN-98 Dimensions:



RY1505ZZ-XXXXJN-98 Power Derating Curve



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

Ordering Information:

| | | | | | | | | |
|---|-------------|-----------|--|---------------------|--|----------|------------------------------|---|
| RY | 1505 | ZZ | - XXXX | J | N | - | 98 | UU |
| Prefix for Wraparound Resistor w/ Isolated Center Pad | | | 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 98 - 0.025" BeO | Packaging Blank - Bulk TR - Tape and Reel WP - Waffle Pack |
| Size 1505 | | | | | | | | |

Terminal Metallization

| | |
|------|--|
| AS - | SnPb over Platinum Palladium Gold |
| CB - | SnPb over Nickel over Silver |
| CT - | 100% Matte Tin over Nickel over Silver |

| RoHS | Magnetic | Solder | Epoxy | Wirebond |
|------|----------|--------|-------|----------|
| No | No | Yes | No | No |
| No | Yes | Yes | No | No |
| Yes | Yes | Yes | No | No |

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

RY1505ZZ-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 |
| 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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