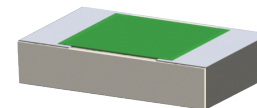


RE0805ZZ-XXXXJN-91 Features:

- Wraparound w/ Both Pads Extended Configuration
- Solder, Epoxy or Wirebondable Terminals
- Customer Defined Testing Available
- RoHS Compliant or SnPb Available
- Tape & Reel or Waffle Pack Available (Standard is bulk)
- 5% Resistor Tolerance



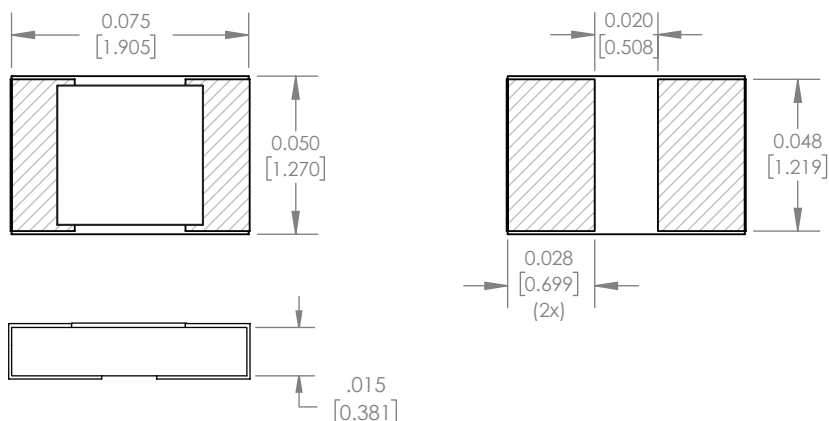
RE0805ZZ-XXXXJN-91 Parameters:

Resistance Range: 0.5Ω - 1MΩ
 Rated Power: 2W*
 Construction: Thick Film on Al₂O₃
 Operating Temperature: -55 to +150°C

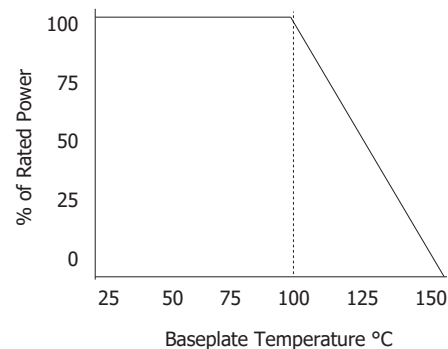
■ Actual Size

* Rating based on ≤100°C constant baseplate temperature

RE0805ZZ-XXXXJN-91 Dimensions:



RE0805ZZ-XXXXJN-91 Power Derating Curve



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

Ordering Information:

RE 0805 ZZ - XXXX J N - 91 UU

Prefix for Wraparound Resistor w/ Both Mounting Pads Extended

Size 0805

Value Code Examples
 50R0 - 50Ω
 1000 - 100Ω
 1001 - 1KΩ
 1002 - 10KΩ
 1003 - 100KΩ
 1004 - 1MΩ

Tolerance J - 5%

Normal Inspection
 Contact factory for additional options

Substrate 91 - 0.015" Al₂O₃

Packaging
 Blank - Bulk
 TR - Tape and Reel
 WP - Waffle Pack

Terminal Metallization

AS -	Tin Lead over Platinum Palladium Gold
BA -	Palladium Silver
CB -	Tin Lead over Nickel over Silver
CT -	100% Matte Tin over Nickel over Silver
GA -	Gold

	RoHS	Magnetic	Solder	Epoxy	Wirebond
AS	No	No	Yes	No	No
BA	Yes	No	No	Yes	No
CB	No	Yes	Yes	No	No
CT	Yes	Yes	Yes	No	No
GA	Yes	No	No	Yes	Yes

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

RE0805ZZ-XXXXJN-91 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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