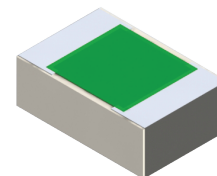


### RE0805ZZ-XXXXJN-93 Features:

- 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



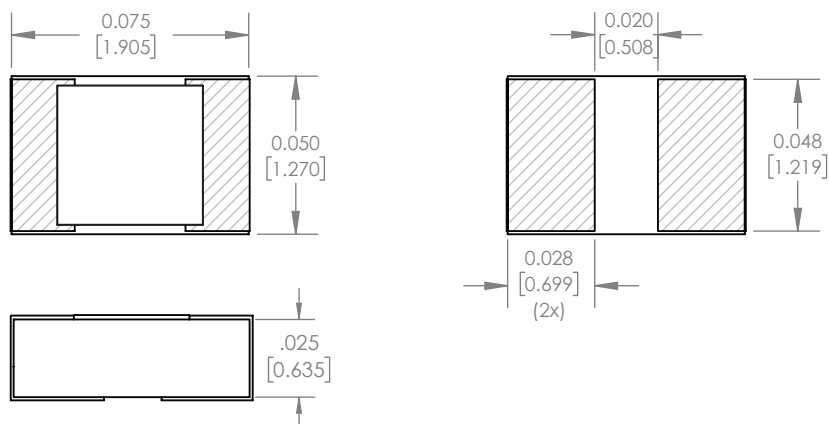
### RE0805ZZ-XXXXJN-93 Parameters:

Resistance Range: 0.5Ω - 1MΩ  
 Rated Power: 1W\*  
 Construction: Thick Film on Al<sub>2</sub>O<sub>3</sub>  
 Operating Temperature: -55 to +150°C

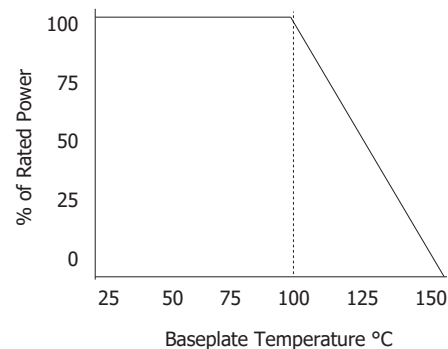
■ Actual Size

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

### RE0805ZZ-XXXXJN-93 Dimensions:



### RE0805ZZ-XXXXJN-93 Power Derating Curve



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

### Ordering Information:

RE 0805 ZZ - XXXX J N - 93 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 93 - 0.025" Al<sub>2</sub>O<sub>3</sub>

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-93 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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