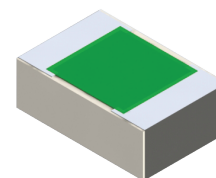


RE0805ZZ-XXXXJN-98 Features:

- 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



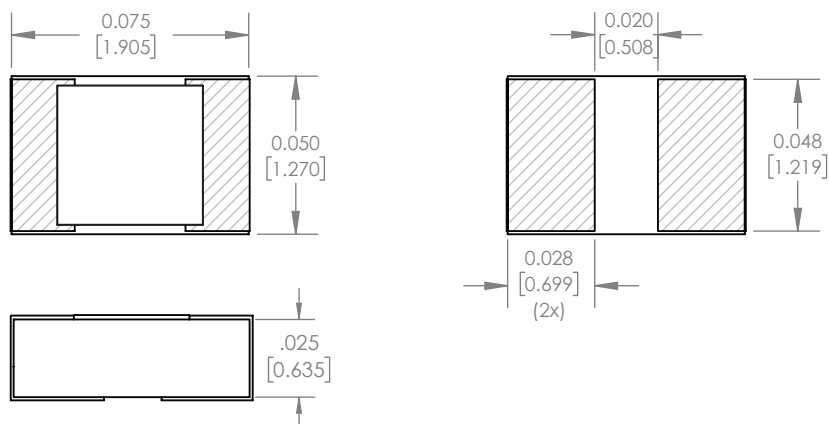
RE0805ZZ-XXXXJN-98 Parameters:

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

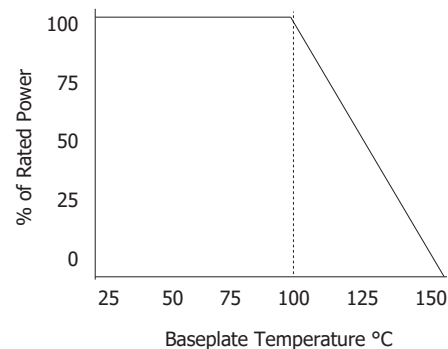
■ Actual Size

* Rating based on ≤100°C constant baseplate temperature

RE0805ZZ-XXXXJN-98 Dimensions:



RE0805ZZ-XXXXJN-98 Power Derating Curve



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

Ordering Information:

RE 0805 ZZ - XXXX J N - 98 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 98 - 0.025" BeO

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

Terminal Metallization

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

	RoHS	Magnetic	Solder	Epoxy	Wirebond
AS -	No	No	Yes	No	No
CB -	No	Yes	Yes	No	No
CT -	Yes	Yes	Yes	No	No
JA -	Yes	No	No	Yes	Yes

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

RE0805ZZ-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°C to +150°C 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)

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