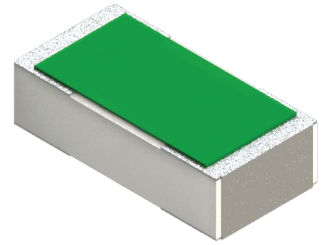


RP0402ZZ-XXXXWN-90 Features:

- Wraparound Terminals
- Solder or Epoxy Attachment
- Customer Defined Testing Available
- RoHS Compliant or SnPb Available
- Tape & Reel or Waffle Pack Available (Standard is bulk)

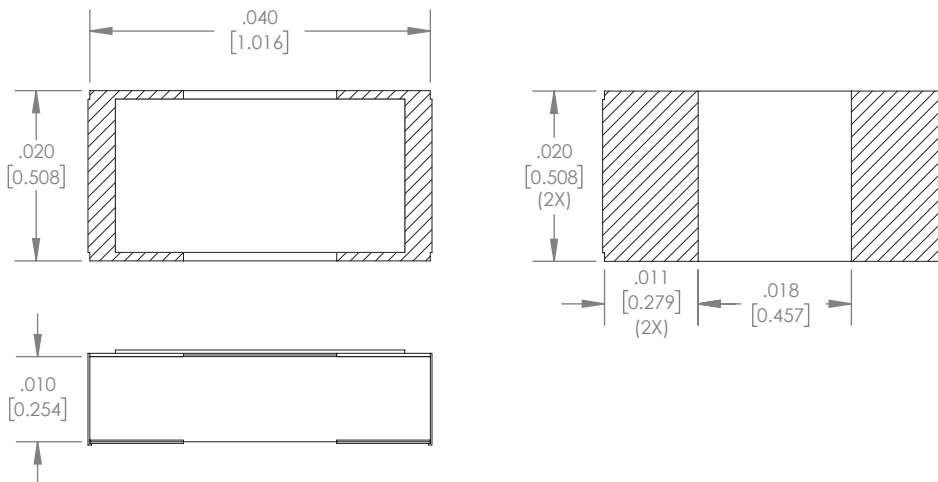


RP0402ZZ-XXXXWN-90 Parameters:

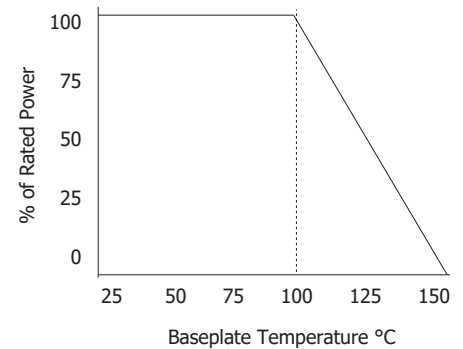
Resistance Range:	0.5Ω - 1MΩ
Rated Power:	100mW*
Construction:	Thick Film on Al ₂ O ₃
Operating Temperature:	-55 to +150°C

* Rating based on ≤100°C constant baseplate temperature

RP0402ZZ-XXXXWN-90 Dimensions:



RP0402ZZ-XXXXWN-90 Power Derating Curve



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

Ordering Information:

Example Part Number: RP0402CT-50R0JN-90

RP	0402	ZZ	-	XXXX	W	N	-	90	UU
Prefix for Wraparound Resistor	Size 0402	Value Code Examples 1002 - 10KΩ 1003 - 100KΩ 1004 - 1MΩ		Tolerance F - 1% G - 2% J - 5%	Normal Inspection Contact factory for additional options		Substrate 90 - 0.010" Al ₂ O ₃	Packaging Blank - Bulk TR - Tape and Reel WP - Waffle Pack	
Terminal Metallization		RoHS	Magnetic	Solder	Epoxy	Wirebond			
BA -	Palladium Silver	Yes	No	No	Yes	No			
CT -	100% Matte Tin over Nickel over Silver	Yes	Yes	Yes	No	No			
CB -	Sn62 over Nickel over Silver	No	Yes	Yes	No	No			
CC -	100% Matte Tin over Copper	Yes	No	Yes	No	No			
GA -	Gold	Yes	No	No	Yes	Yes			

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

RP0402ZZ-XXXXWN-90 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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