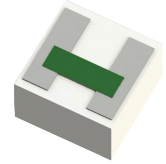


RS0202ZZ-XXXXWN-91 Features:

- Single-Sided (Flip-Chip) Terminal Configuration
- Solder, Epoxy or Wirebondable Terminals
- Customer Defined Testing Available
- RoHS Compliant or SnPb Available
- Non-Magnetic Available
- Waffle Pack Available (Standard is bulk)



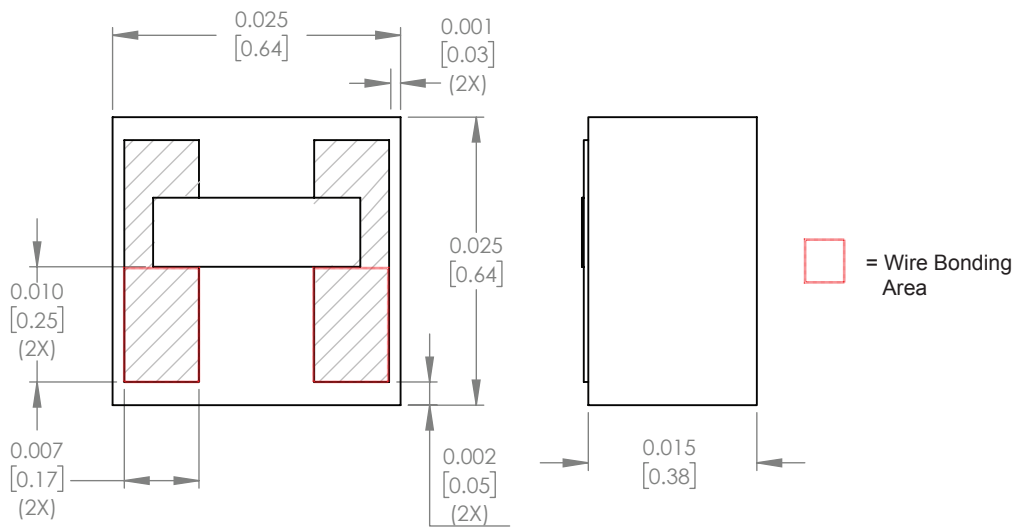
RS0202ZZ-XXXXWN-91 Parameters:

Resistance Range: 0.5Ω - 1MΩ
 Rated Power:* 50mW
 Construction: Thick Film on 0.015" Al₂O₃
 Operating Temperature: -55 to +150°C

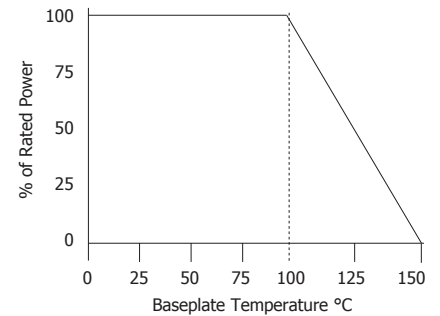
* Rating based on ≤100°C constant baseplate temperature

• Actual Size

RS0202ZZ-XXXXWN-91 Dimensions:



RS0202ZZ-XXXXWN-91 Power Derating Curve



Dimensions in inches [mm]
 Tolerance is ± 0.002 [0.05]
 unless otherwise stated

Ordering Information:

Example Part Number: RS0202CT-50R0JN-91

RS	0202	ZZ	-	XXXX	W	N	-	91	UU
Prefix for Resistor w/ Single-Sided Terminals				Value Code	Tolerance	Normal Inspection Contact factory for additional options		Substrate	Packaging
Size	0202			50R0 - 50Ω	F - 1%		91 - 0.015" Al ₂ O ₃	Blank - Bulk	
				1000 - 100Ω	G - 2%			WP - Waffle Pack	
				1001 - 1KΩ	J - 5%				
Terminal Metallization					RoHS	Magnetic	Solder	Epoxy	Wirebond
AS - Tin Lead over Platinum Palladium Gold					No	No	Yes	No	No
CB - Tin Lead over Nickel over Silver					No	Yes	Yes	No	No
CC - 100% Matte Tin over Copper over Silver					Yes	No	Yes	No	No
CT - 100% Matte Tin over Nickel over Silver					Yes	Yes	Yes	No	No
GA - Gold					Yes	No	No	Yes	Yes

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

RS0202ZZ-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 to +125 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)

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