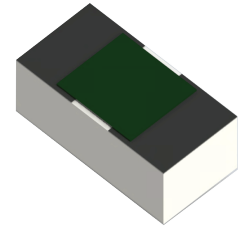


RM0402ZZ-XXXXWN-91 Features:

- Single-Sided Terminal w/ Backplane Configuration
- Solder, Epoxy or Wirebondable Terminals
- Solder or Epoxy Mount Backplane
- Customer Defined Testing Available
- RoHS Compliant or SnPb Available
- Non-Magnetic Available
- Tape & Reel and Waffle Pack Available (Standard is bulk)



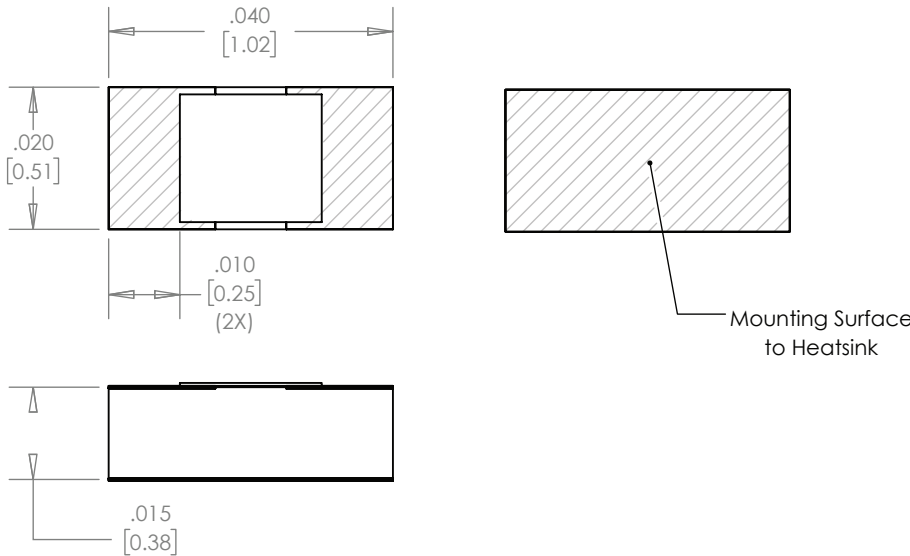
Actual Size

RM0402ZZ-XXXXWN-91 Parameters:

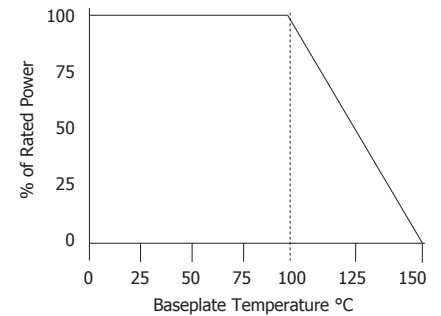
Resistance Range: 0.5Ω - 1MΩ
 Rated Power:* 1W
 Construction: Thick Film on 0.015" Al₂O₃
 Operating Temperature: -55 to +150°C

* Rating based on ≤100°C constant baseplate temperature

RM0402ZZ-XXXXWN-91 Dimensions:



RM0402ZZ-XXXXWN-91 Power Derating Curve



Dimensions in inches [mm]
 Tolerance is ± 0.005 [0.13]
 unless otherwise stated

Ordering Information:

Example Part Number: RM0402CT-50R0JN-91

RM	0402	ZZ	-	XXXX	W	N	-	91	UU
Prefix for Resistor w/ Single-Sided Terminals and Backplane		Value Code		Tolerance		Normal Inspection Contact factory for additional options	Substrate		Packaging
Size	0402	50R0 - 50Ω	1002 - 10KΩ	F - 1%	91 - 0.015" Al ₂ O ₃		Blank - Bulk		
Terminal Metallization	AS - Tin Lead over Platinum Palladium Gold	1000 - 100Ω	1003 - 100KΩ	G - 2%	WP - Waffle Pack		TR - Tape & Reel		
	GA - Gold	1001 - 1KΩ	1004 - 1MΩ	J - 5%					
					RoHS	Magnetic	Solder	Epoxy	Wirebond
					No	No	Yes	No	No
					No	Yes	Yes	No	No
					Yes	No	Yes	No	No
					Yes	Yes	Yes	No	No
					Yes	No	Yes (Backplane)	Yes	Yes (I/O Terminals)
					Yes	No	Yes (Backplane)	Yes	Yes (I/O Terminals)
					Yes	No	No	Yes	Yes

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

RM0402ZZ-XXXXWN-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 to +125 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)

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