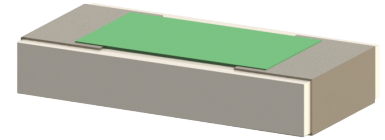


RP0603ZZ-XXXXWN-96 Features:

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

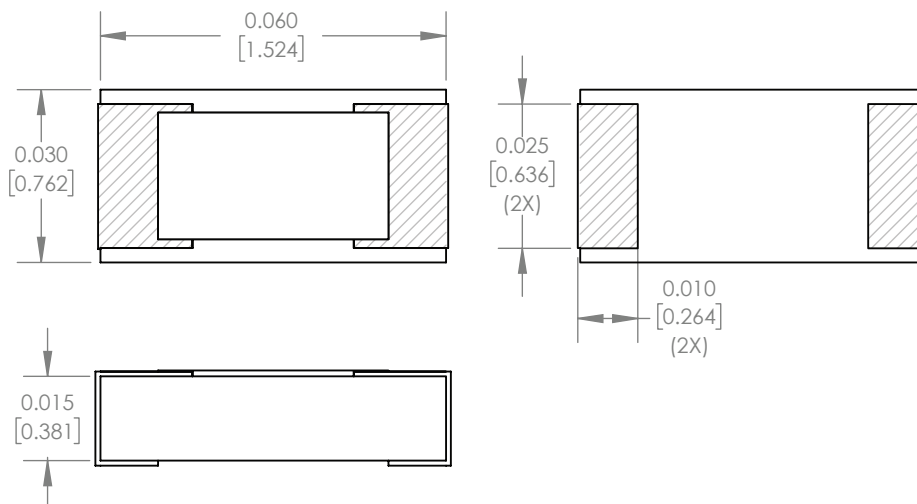


RP0603ZZ-XXXXWN-96 Parameters:

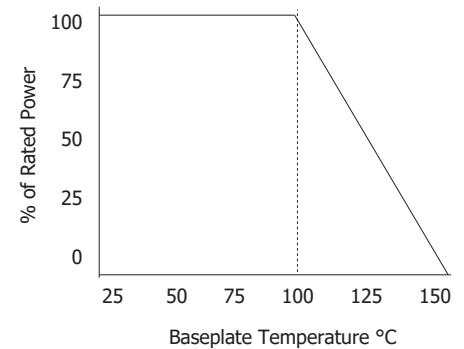
Resistance Range:	0.5Ω - 1MΩ
Rated Power:	2.4W*
Construction:	Thick Film on Al ₂ O ₃
Operating Temperature:	-55 to +150°C

* Rating based on ≤100°C constant baseplate temperature

RP0603ZZ-XXXXWN-96 Dimensions:



RP0603ZZ-XXXXWN-96 Power Derating Curve



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

Ordering Information:

Example Part Number: RP0603CT-50R0JN-96

RP	0603	ZZ	-	XXXX	W	N	-	96	UU
Prefix for Wraparound Resistor									
Size 0603									
		Value Code Examples 10R0 - 10Ω 1002 - 10KΩ 1000 - 100Ω 1003 - 100KΩ 1001 - 1KΩ 1004 - 1MΩ			Tolerance F - 1% G - 2% J - 5%	Normal Inspection Contact factory for additional options		Substrate 96- 0.015" BeO	Packaging Blank - Bulk TR - Tape and Reel WP - Waffle Pack

Terminal Metallization	RoHS	Magnetic	Solder	Epoxy	Wirebond
AS - SnPb over Platinum Palladium Gold	No	No	Yes	No	No
CT - 100% Matte Tin over Nickel over Silver	Yes	Yes	Yes	No	No
CB - SnPb over Nickel over Silver	No	Yes	Yes	No	No
DS - Sn96 over Palladium Silver	Yes	No	Yes	No	No
JA - Gold over Platinum Palladium Gold	Yes	No	No	Yes	Yes

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

RP0603ZZ-XXXXWN-96 Reliability Specifications:

Parameter:	Test Condition:	Results:
Short Time Overload	Apply 1.1x Rated Power for 5 Seconds.	$\leq 5.0\%$ Resistance Shift
Rated Load Life	Apply 1/2 Power Under $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90 Minutes on/ 30 Minutes off. Repeat for 100 hours	$\leq 5.0\%$ Resistance Shift
Moisture Resistance	MIL-PRF-55342 para 4.8.9 95% RH, $25^{\circ}\text{C} - 65^{\circ}\text{C}$	$\leq 5.0\%$ Resistance Shift
Resistance to Soldering Heat	MIL-STD-202 Method 210 and MIL-PRF-55342 Para 4.8.8.1	$\leq 5.0\%$ Resistance Shift
Solderability	MIL-PRF-55342 Para 4.8.12	>95% Covered
High Temperature Storage	$125^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 500 Hours	1.) $\leq 5.0\%$ Resistance Shift 2.) No Significant Abnormality (Visual)
Thermal Shock	-65°C to $+150^{\circ}\text{C}$ 30 Minutes Dwell, 5 Cycles	1.) $\leq 5.0\%$ Resistance Shift 2.) No Significant Abnormality (Visual)

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