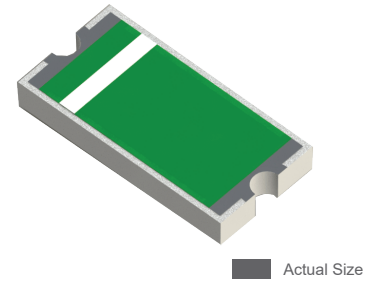


RZC2010ZZ-XXXXJN-2S-03 Features:

- Wraparound One Extended Pad Configuration
- Solder Attachment
- Customer Defined Testing Available
- RoHS Compliant or Sn62
- Tape & Reel or Waffle Pack Available (Standard is bulk)
- 5% Resistor Tolerance



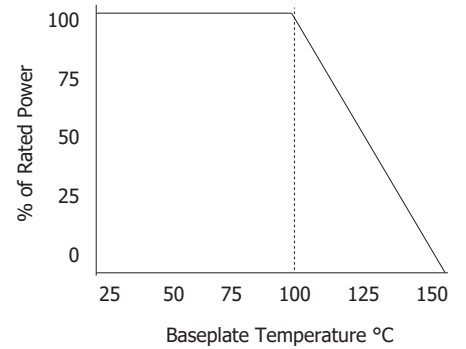
Actual Size

RZC2010ZZ-XXXXJN-2S-03 Parameters:

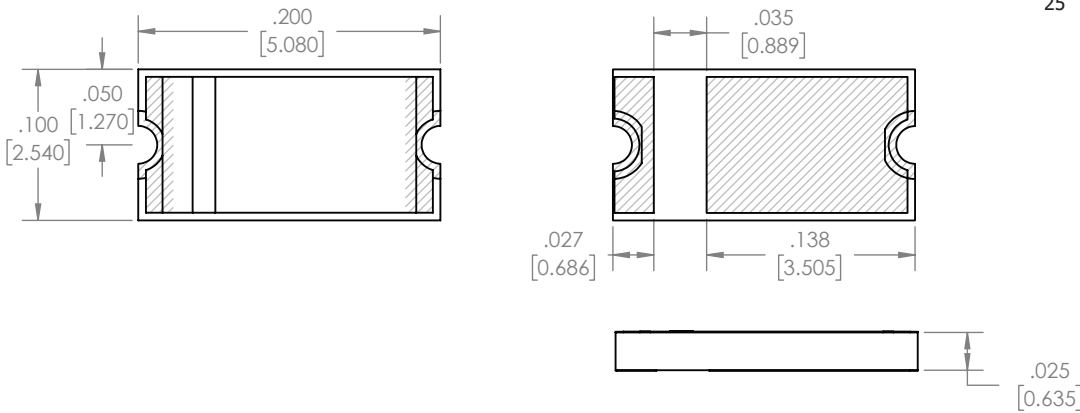
Resistance Range:	10Ω - 1KΩ
Rated Power:	30W*
Return Loss (Typical)**:	20dB or Better
Construction:	Thick Film on AIN
Operating Temperature:	-55 to +150°C

* Rating based on ≤100°C constant baseplate temperature
 ** Test performed of a 50Ω device in a matched, continuous 50Ω system with proper workmanship

RZC2010ZZ-XXXXJN-2S-03 Power Derating Curve



RZC2010ZZ-XXXXJN-2S-03 Dimensions:



Ordering Information:

RZC	2010 ZZ	-	XXXX	J	N	-	2S	-	03	UU
Prefix for Wraparound Resistor w/ One Extended Backpad & Castellations	Value Code 50R0 - 50Ω 1000 - 100Ω 1001 - 1KΩ			Tolerance J - 5%	Normal Inspection Contact factory for additional options		Substrate 2S - 0.025" AIN		Assigned by Factory	Packaging Blank - Bulk TR - Tape and Reel WP - Waffle Pack
Size 2010										
Terminal Metallization										
CB - Sn62 Tin Lead over Nickel over Silver										
CT - 100% Matte Tin over Nickel over Silver										
				RoHS No Yes	Magnetic Yes Yes		Solder Yes Yes		Epoxy No No	Wirebond No No

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

RZC2010ZZ-XXXXJN-2S-03 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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