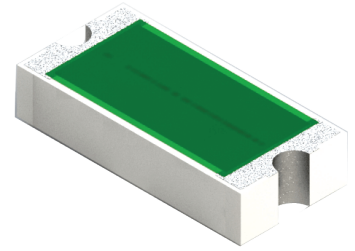


REC2010ZZ-XXXXJN-99 Features:

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



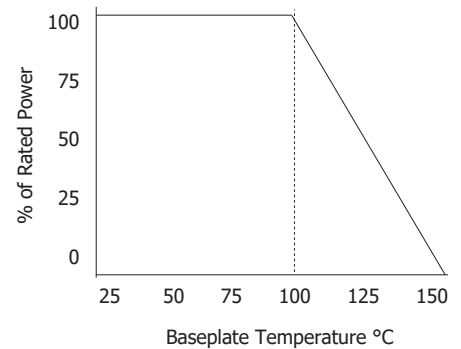
Actual Size

REC2010ZZ-XXXXJN-99 Parameters:

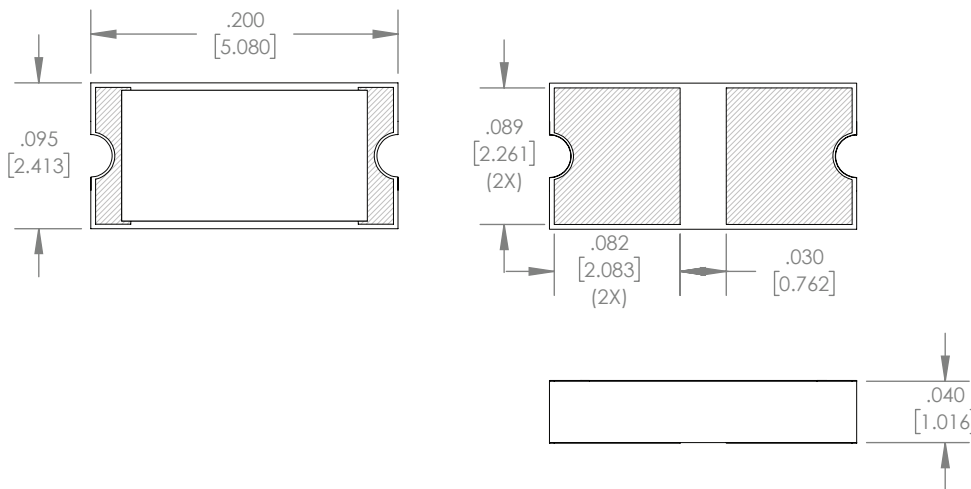
Resistance Range:	0.5Ω - 1MΩ
Rated Power:	30W*
Construction:	Thick Film on BeO
Operating Temperature:	-55 to +150°C

* Rating based on ≤100°C constant baseplate temperature

REC2010ZZ-XXXXJN-99 Power Derating Curve



REC2010ZZ-XXXXJN-99 Dimensions:



Dimensions in inches [mm]
Tolerance is ± 0.010 [0.254] unless otherwise stated

Ordering Information:

REC	2010	ZZ	-	XXXX	J	N	-	99	UU
Prefix for Wraparound Resistor w/ Both Mounting Pads Extended and Castellated Terminals				Value Code	Tolerance	Normal Inspection	Substrate	Packaging	
Size	2010			50R0 - 50Ω	J - 5%	Contact factory for additional options	99 - 0.040" BeO	Blank - Bulk TR - Tape and Reel WP - Waffle Pack	
Terminal Metallization				1000 - 100Ω					
CB -	Sn62 Tin Lead over Nickel over Silver			1001 - 1KΩ					
CT -	100% Matte Tin over Nickel over Silver			1002 - 10KΩ					
				1003 - 100KΩ					
				1004 - 1MΩ					
					RoHS	Magnetic	Solder	Epoxy	Wirebond
					No	Yes	Yes	No	No
					Yes	Yes	Yes	No	No

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

REC2010ZZ-XXXXJN-99 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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