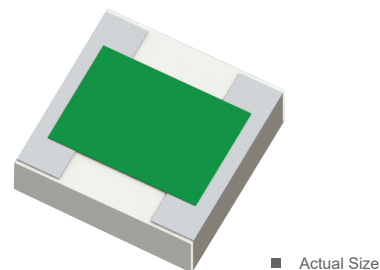


### RP0505AS-1000GN-91-01WP Features:

- Wraparound Terminal Configuration
- Solder Attachment
- Customer Defined Testing Available
- Waffle Pack

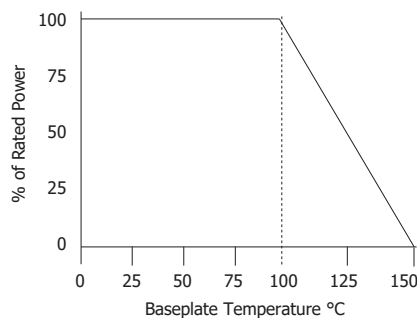


### RP0505AS-1000GN-91-01WP Parameters:

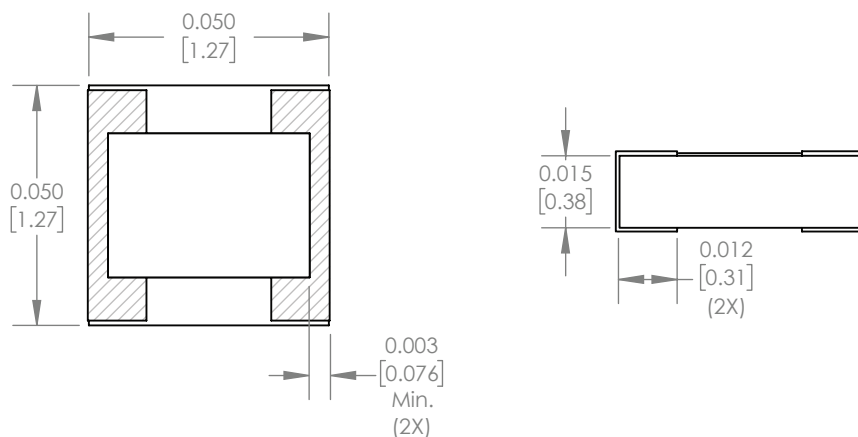
Resistance:	100Ω
Resistor Tolerance:	±2%
Rated Power*:	250mW
Construction:	Thick Film on Al <sub>2</sub> O <sub>3</sub>
Terminal Metallization:	SnPb over Platinum Palladium Gold
Operating Temperature:	-55 to +150°C

\* Rating based on ≤100°C constant baseplate temperature

### RP0505AS-1000GN-91-01WP Power Derating Curve



### RP0505AS-1000GN-91-01WP Dimensions:



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

### Ordering Information:

<b>RP</b>	<b>0505</b>	<b>AS</b>	<b>- 1000</b>	<b>G</b>	<b>N -</b>	<b>91</b>	<b>-01</b>	<b>WP</b>
Prefix for Wraparound Resistor	Size 0505	Value Code 1000 - 100Ω	Tolerance G - 2%	<b>Normal Inspection</b> Contact factory for additional options	Substrate 91 - 0.015" Al <sub>2</sub> O <sub>3</sub>	Assigned by Factory	Packaging WP - Waffle Pack	
Terminal Metallization AS - SnPb over Platinum Palladium Gold			RoHS No	Magnetic No	Solder Yes	Epoxy No	Wirebond No	

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

**RP0505AS-1000GN-91-01WP Features:**

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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