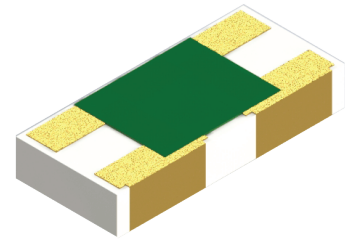


AV0904GA-1000JN-91 Features:

- PI Configuration
- Wirebondable Terminals
- Customer Defined Testing Available
- RoHS Compliant
- Tape & Reel or Waffle Pack Available (Standard is bulk)



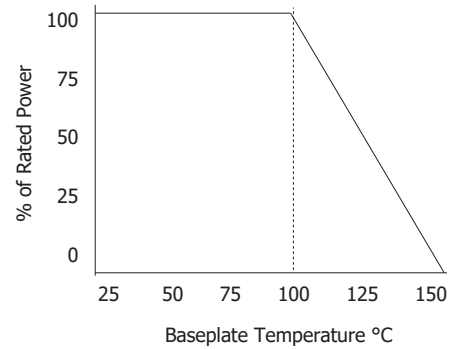
Actual Size

AV0904GA-1000JN-91 Parameters:

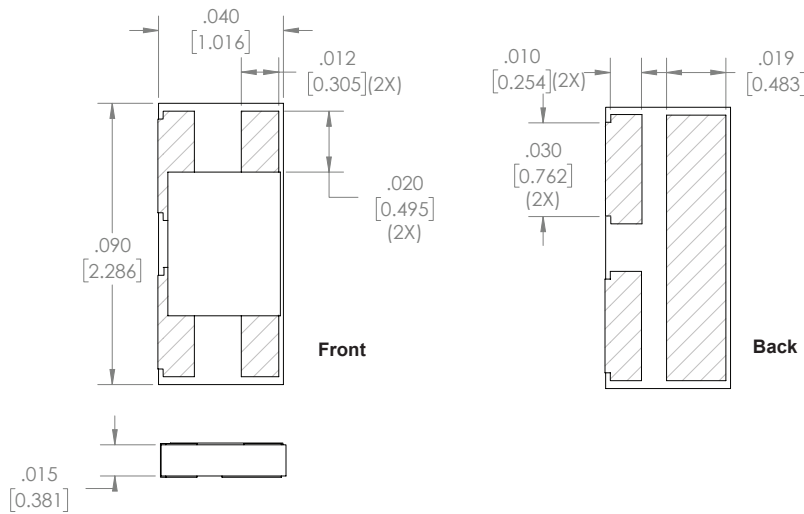
Attenuation:	10dB	
Operating Frequency:	DC - 30GHz*	
Attenuation Tolerance:	±0.5dB	(DC - 12.4GHz)
	-0.75dB +0.5dB	(>12.4GHz - 18GHz)
	-2dB +0.5dB	(>18GHz - 30dB)
Rated Power:	.75W**	
Return Loss (Typical)*:	20dB or Better	(DC - 18GHz)
	10dB or Better	(>18GHz - 30GHz)
Impedance:	50Ω	
Construction:	Thick Film on Al ₂ O ₃	
Operating Temperature:	-55 to +150°C	

* In a matched, continuous 50Ω system with proper workmanship
 ** Rating based on ≤100°C constant baseplate temperature

AV0904GA-1000JN-91 Power Derating Curve



AV0904GA-1000JN-91 Dimensions:



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

Ordering Information:

AV	0904	GA	-	1000	J	N	-	91	UU
Prefix for Single-Wrap to Ground Attenuator				Value Code 1000 - 10dB	Tolerance J - 5%	Normal Inspection Contact factory for additional options		Substrate 91 - 0.015" Al ₂ O ₃	Packaging Blank - Bulk TR - Tape and Reel WP - Waffle Pack
Size 0904									
Terminal Metallization GA - Gold				RoHS Yes	Magnetic No	Solder No	Epoxy Yes	Wirebond Yes	

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

AV0904GA-1000JN-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 Bonding Exposure	MIL-PRF-55342 Para 4.8.8.2	≤ 5.0% Resistance Shift
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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