



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



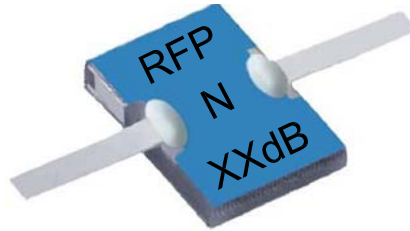
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Flangeless Attenuator 100 Watts

General Specifications

Resistive Element	Thick film
Substrate	Aluminum Nitride ceramic
Lead(s):	99.99% pure silver (.005" thick)

Electrical Specifications

Attenuation Range:	1, 2, 3, 4, 5, 6, 10, 20 or 30 dB
Frequency Range;	DC – See Chart
Power:	100 Watts
VSWR	1.25:1

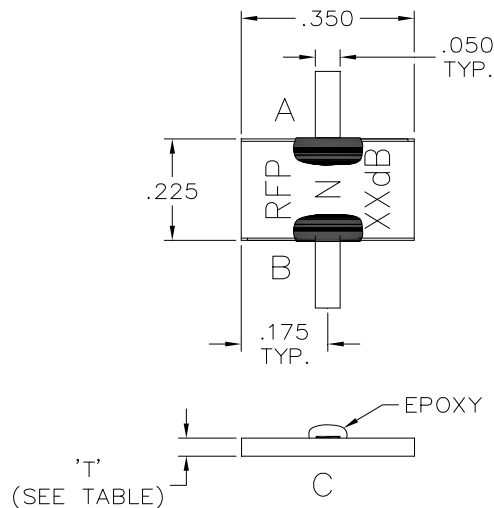
Note: Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 150°C (see chart for derating temperatures). All dimensions in inches.

Specifications subject to change with out notice.

Features:

- DC – 3.0 GHz
- 100 Watts
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- RoHS Compliant

Outline Drawing



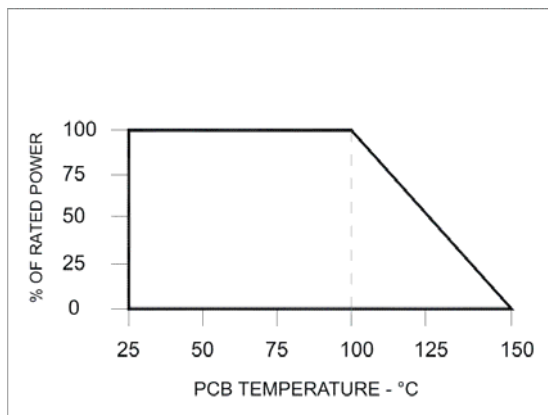
100NXXAF (097) Rev E



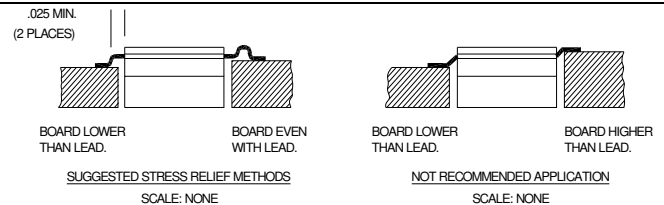
Typical Performance:

RESISTOR VALUE CHART							
ATTENUATION	VALUE (A-B)	VALUE (A-C)	VALUE (B-C)	TOL.	FREQUENCY	R.F.P. STOCK P/N	'T1'
1dB+0.25/-0.6dB	4.8Ω	435 Ω	435 Ω	±4%	DC-2.2GHz.	RFP-100N1AF	.042
1.5dB±0.30dB	7.4Ω	294 Ω	294 Ω	±4%	DC-2.2GHz.	RFP-100N1R5AF	.042
2dB±0.40dB	9.6Ω	232 Ω	232 Ω	±4%	DC-2.2GHz.	RFP-100N2AF	.042
3dB±0.40dB	15.2Ω	155 Ω	155 Ω	±4%	DC-2.5GHz.	RFP-100N3AF	.042
4dB±0.40dB	22Ω	131Ω	131Ω	±4%	DC-2.5GHz.	RFP-100N4AF	.042
5dB±0.40dB	28.5Ω	94.7Ω	94.7Ω	±4%	DC-3.0GHz.	RFP-100N5AF	.042
6dB±0.40dB	33.7Ω	82.5 Ω	82.5 Ω	±4%	DC-3.0GHz.	RFP-100N6AF	.042
9dB±1.0dB	50.6Ω	61.3Ω	61.3Ω	±4%	DC-2.2GHz.	RFP-100N9AF	.042
10dB+1.0/-1.75dB	56.0Ω	60 Ω	60 Ω	±4%	DC-2.2GHz.	RFP-100N10AF	.042
20dB±0.50dB	81.7Ω	50.9 Ω	50.9 Ω	±4%	DC-2.0GHz.	RFP-100N20AF	.062
30dB±1.00dB	94Ω	50.1Ω	50.1Ω	±4%	DC-2.5GHz.	RFP-100N30AF	.062

Power De-rating:



Mounting Footprint and Procedure:



SUGGESTED MOUNTING PROCEDURES:

1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. DRILL & TAP THE HEATSINK FOR THE APPROPRIATE THREAD SIZE TO BE USED.
3. COAT HEATSINK WITH A MINIMUM AMOUNT OF HIGH QUALITY SILICONE GREASE (.001" MAX. THICKNESS).
4. POSITION DEVICE ON MOUNTING SURFACE & SECURE USING SOCKET HEAD SCREWS, FLAT & SPLIT WASHER. TORQUE SCREWS TO THE APPROPRIATE VALUE. MAKE SURE THAT THE DEVICE IS FLAT AGAINST THE HEATSINK. (CARE SHOULD BE TAKEN TO AVOID UPWARD PRESSURE OF THE LEADS TOWARDS THE LID).
5. SOLDER LEADS IN PLACE USING APPROPRIATE SOLDER WITH A CONTROLLED TEMPERATURE IRON.

** FOR MORE DETAILS CONTACT FACTORY **

100NXXAF (097) Rev E

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Available on Tape and
Reel For Pick and Place
Manufacturing.



Anaren
What'll we think of next?™