



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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





**RoHS
Compliant**

Full Flange Attenuators 100 Watts

General Specifications

Resistive Element	Thick film
Substrate	ALN ceramic
Cover	Alumina Ceramic
Mounting Flange	Copper, Nickel plated per QQ-N-290
Lead(s):	99.99% pure silver (.006" thick)

Features:

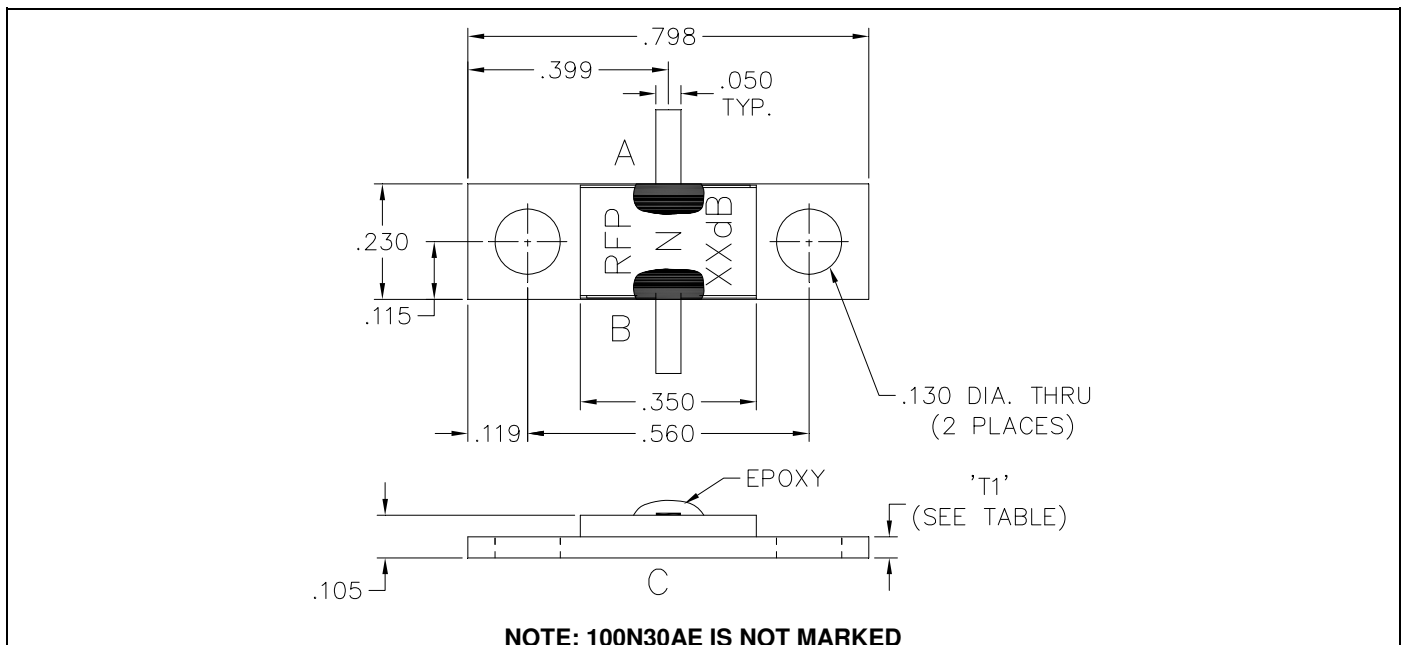
- DC – See table
- 100 Watts
- ALN Ceramic
- Welded Silver Leads
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

Electrical Specifications

Attenuation Range:	1, 2, 3, 4, 5, 6, 9, 10, 20, 30 db
Frequency Range:	DC – See Chart
Power:	100 Watts
V.S.W.R.:	1.25 :1

Notes: Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions in inches. Lead length 0.150" minimum.
Specifications subject to change without notice.

Outline Drawing



100NXXAE (097) Rev E

**RoHS
Compliant**

Specifications

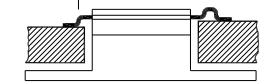
RESISTOR VALUE CHART

ATTENUATION	VALUE (A-B)	VALUE (A-C)	VALUE (B-C)	TOL.	FREQUENCY	R.F.P. STOCK P/N	'T1'
1dB+0.25/- .6dB	4.8Ω	435 Ω	435 Ω	±4%	DC-2.2GHz.	RFP-100N1AE	.042
1.5dB±0.30dB	7.4Ω	294 Ω	294 Ω	±4%	DC-2.2GHz.	RFP-100N1R5AE	.042
2dB±0.40dB	9.6Ω	232 Ω	232 Ω	±4%	DC-2.2GHz.	RFP-100N2AE	.042
3dB±0.40dB	15.2Ω	155 Ω	155 Ω	±4%	DC-2.5GHz.	RFP-100N3AE	.042
4dB±0.40dB	22Ω	131Ω	131Ω	±4%	DC-2.5GHz.	RFP-100N4AE	.042
5dB±0.40dB	28.5Ω	94.7Ω	94.7Ω	±4%	DC-3.0GHz.	RFP-100N5AE	.042
6dB±0.40dB	33.7Ω	82.5 Ω	82.5 Ω	±4%	DC-3.0GHz.	RFP-100N6AE	.042
9dB±1.0dB	50.6Ω	61.3Ω	61.3Ω	±4%	DC-2.2GHz.	RFP-100N9AE	.042
10dB+1.0/-1.75dB	56.0Ω	60 Ω	60Ω	±4%	DC-2.2GHz.	RFP-100N10AE	.042
20dB±0.50dB	81.7Ω	50.9 Ω	50.9 Ω	±4%	DC-2.0GHz.	RFP-100N20AE	.062
30dB±1.00dB	94Ω	50.1Ω	50.1Ω	±4%	DC-2.5GHz.	RFP-100N30AE	.062

Suggested Mounting Procedure:

Power Derating:

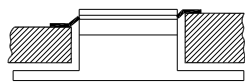
.025 MIN.
(2 PLACES)



BOARD LOWER THAN LEAD.

BOARD EVEN WITH LEAD.

SUGGESTED STRESS RELIEF METHODS
SCALE: NONE



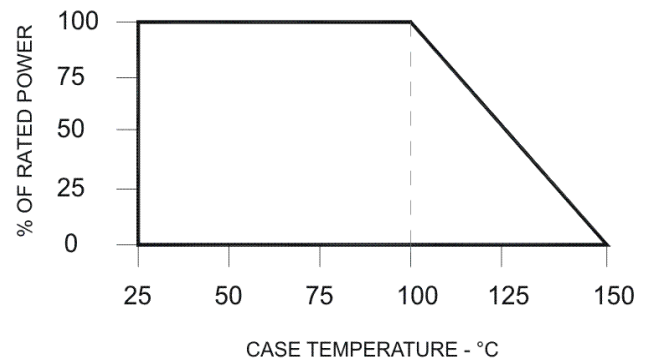
BOARD LOWER THAN LEAD.

BOARD HIGHER THAN LEAD.

NOT RECOMMENDED APPLICATION
SCALE: NONE

SUGGESTED MOUNTING PROCEDURES:

1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. POSITION DEVICE ON MOUNTING SURFACE AND SOLDER IN PLACE USING APPROPRIATE TYPE SOLDER.
3. SOLDER LEADS IN PLACE USING APPROPRIATE TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON.



100NXXAE (097) Rev E