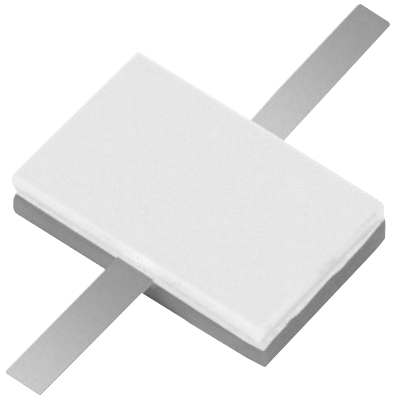
Anaren

RF Power

Model RFP-100NXXAF

Aluminum Nitride Attenuators

100 Watts



Features

- DC – 2.5 GHz
- 100 Watts
- Aluminum Nitride (AlN) Ceramic
- Welded Silver Leads
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

General Specifications

Resistive Element:	Thick film
Substrate:	Aluminum nitride ceramic
Cover:	Alumina ceramic
Lead(s):	99.99% pure silver (.005” thk)

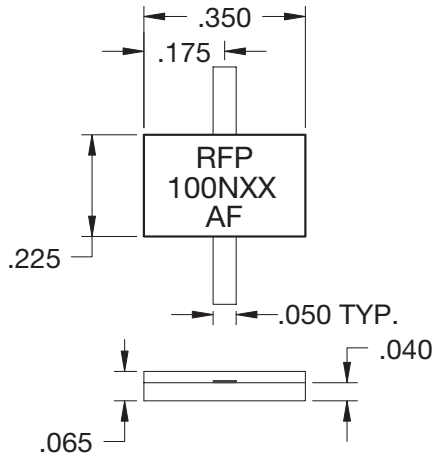
Electrical Specifications

Attenuation Value:	1, 2, 3, 4, 5, 6, 9, 10, 20 or 30 db
Frequency Range:	DC - 2.5 GHz
Power:	100 Watts

Notes: Tolerance is ±.010, unless otherwise specified. Operating temperature is -55°C to +150°C (see chart). Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions are in inches. Lead length 0.15” minimum.

Specifications subject to change without notice.

Outline Drawing



Note: XX denotes attenuation value.

VER. 12/5/01

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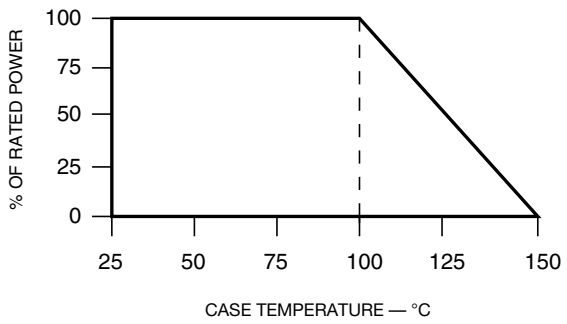
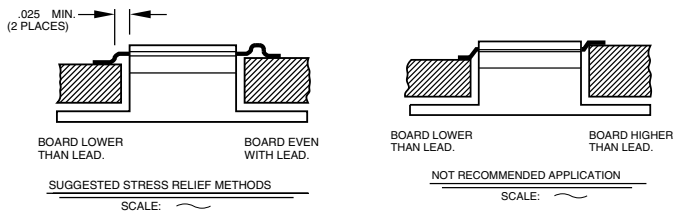
Specifications

PART NUMBER	ATTENUATION (dB)	TOL. (+/-dB)	POWER (WATTS)	VSWR	FREQ. (GHZ)
RFP-100N1AF	1	0.2	100	1.25:1	2.5
RFP-100N2AF	2	0.4	100	1.25:1	2.5
RFP-100N3AF	3	0.4	100	1.25:1	2.5
RFP-100N4AF	4	0.4	100	1.25:1	2.5
RFP-100N5AF	5	0.4	100	1.25:1	2.5
RFP-100N6AF	6	0.4	100	1.25:1	2.5
RFP-100N9AF	9	0.5	100	1.25:1	2.5
RFP-100N10AF	10	0.5	100	1.25:1	2.5
RFP-100N20AF	20	0.5	100	1.25:1	2.5
RFP-100N30AF	30	1.0	100	1.25:1	2.5

Power Derating



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 an SN96 type solder.
3. Solder leads in place using an SN63 type solder with a controlled temperature iron (700°F)

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