







Features:

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



Full Flange Attenuators 100 Watts

General Specifications

Resistive Element Thick film

Substrate Beryllium oxide ceramic

Cover Alumina Ceramic

Copper, Nickel plated per QQ-N-**Mounting Flange**

290

Lead(s): 99.99% pure silver (.006" thick)

Operating Temperature -55 to +150°C (see chart)

Electrical Specifications

1, 2, 3, 4, 5, 6, 9, 10, 20, 22 or **Attenuation Range:**

30 dB

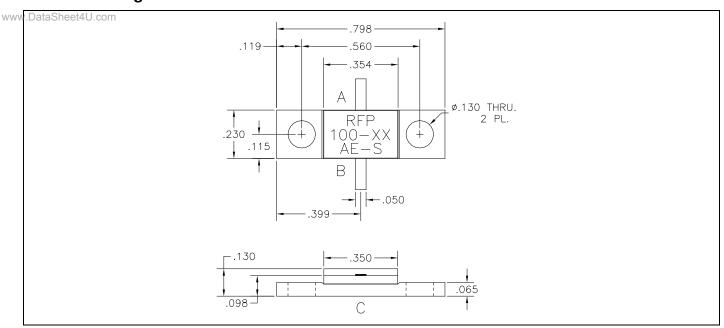
Frequency Range: DC - See Chart

Power: 100 Watts V.S.W.R.: See Chart

Notes: Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. All dimensions in inches. Lead length 0.150" minimum.

Specifications subject to change without notice.

Outline Drawing



100-XXAE-S (097) Rev B



USA/Canada: Toll Free: Europe:

(315) 432-8909 (800) 544-2414 +44 2392-232392

Model RFP-100-XXAE-S



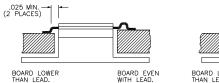




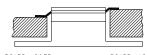
Specifications

PART NUMBER	ATTENUATION	VALUE (A-B)	VALUE (A-C)	VALUE (B-C)	TOL.	VSWR	FREQ. (GHz)
RFP-100-1AE-S	1 db ± 0.4	5.8 Ω	435.9 Ω	435.9 Ω	± 4%	1.45:1	DC -1 GHZ
RFP-100-2AE-S	$2 db \pm 0.4$	11.4 Ω	220.7Ω	220.7 Ω	± 4%	1.40:1	DC -1 GHZ
RFP-100-3AE-S	$3 db \pm 0.4$	17.0 Ω	150.5 Ω	150.5 Ω	± 4%	1.35:1	DC -1 GHZ
RFP-100-4AE-S	$4 db \pm 0.3$	22.6 Ω	116.3 Ω	116.3 Ω	± 4%	1.30:1	DC -1 GHZ
RFP-100-5AE-S	$5 db \pm 0.3$	28.0 Ω	96.0 Ω	96.0 Ω	± 4%	1.25:1	DC -1 GHZ
RFP-100-6AE-S	$6 db \pm 0.3$	32.2 Ω	83.6 Ω	83.6 Ω	± 4%	1.20:1	DC -1 GHZ
RFP-100-9AE-S	$9 db \pm 0.3$	47.6 Ω	64.4 Ω	64.4 Ω	± 4%	1.20:1	DC -1 GHZ
RFP-100-10AE-S	10 db ± 1.2	52.0 Ω	61.0 Ω	61.0 Ω	± 4%	1.25:1	DC -2 GHZ
RFP-100-20AE-S	20 db ± 0.5	81.7 Ω	50.9 Ω	50.9 Ω	± 4%	1.20:1	DC -2.5 GHZ
RFP-100-22AE-S	22 db ± 0.5	85.3 Ω	50.6 Ω	50.6 Ω	± 4%	1.20:1	DC -1 GHZ
RFP-100-30AE-S	30 db ± 2.0	92.5 Ω	49.6 Ω	49.6 Ω	± 4%	1.20:1	DC -2 GHZ

Suggested Mounting Procedure



SUGGESTED STRESS RELIEF METHODS SCALE: NONE

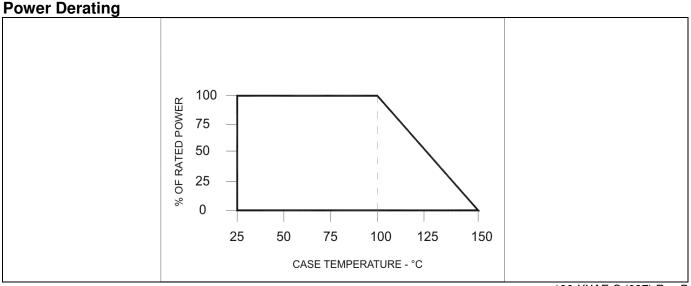


NOT RECOMMENDED APPLICATION SCALE: NONE

SUGGESTED MOUNTING PROCEDURES:

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

www.DataSheet4U.com



100-XXAE-S (097) Rev B

USA/Canada: Toll Free: Europe:

(315) 432-8909 (800) 544-2414 +44 2392-232392

