

#### 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

Alumina Ceramic Cover

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

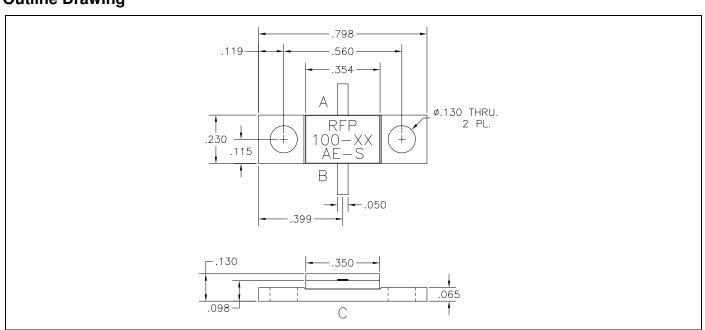
Frequency Range: DC - See Chart

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

**Notes:** Tolerance is  $\pm 0.010$ ", 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**



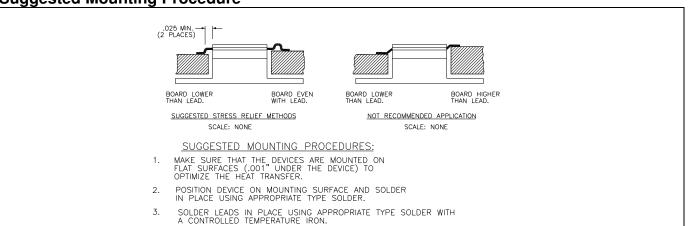




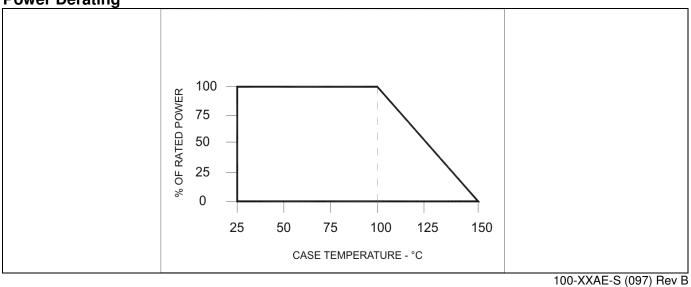
### **Specifications**

PART NUMBER	ATTENUATION	VALUE (A-B)	VALUE (A-C)	VALUE (B-C)	TOL.	VSWR	FREQ. (GHz)
RFP-100-1AE-S	$1 \text{ db} \pm 0.4$	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** 



## **Power Derating**



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