

General Specifications

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

Features:

- DC –See Chart
- 100 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- Welded Silver Leads
- Lead Length .150 in min, .210 in Typical
- 100% Tested
- RoHS Compliant

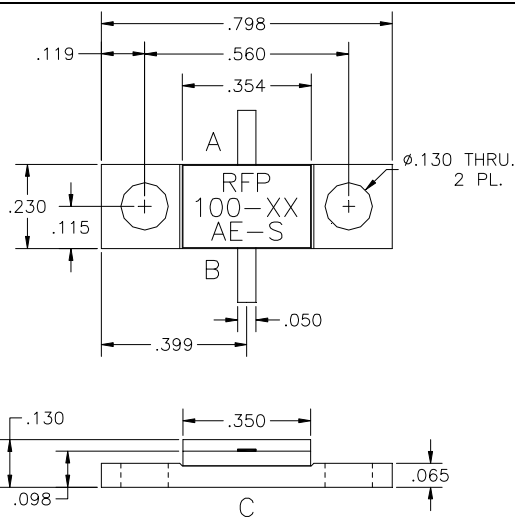
Electrical Specifications

Attenuation Range:	1, 2, 3, 4, 5, 6, 9, 10, 20 or 30 dB
Frequency Range;	DC – See Chart
Power:	100 Watts
VSWR	See Chart

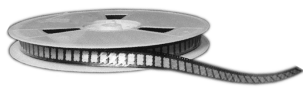
Note: Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 150°C (see chart for derating temperatures). All dimensions in inches.

Specifications subject to change with out notice.

Outline Drawing



100-XXAE-S (097) Rev D



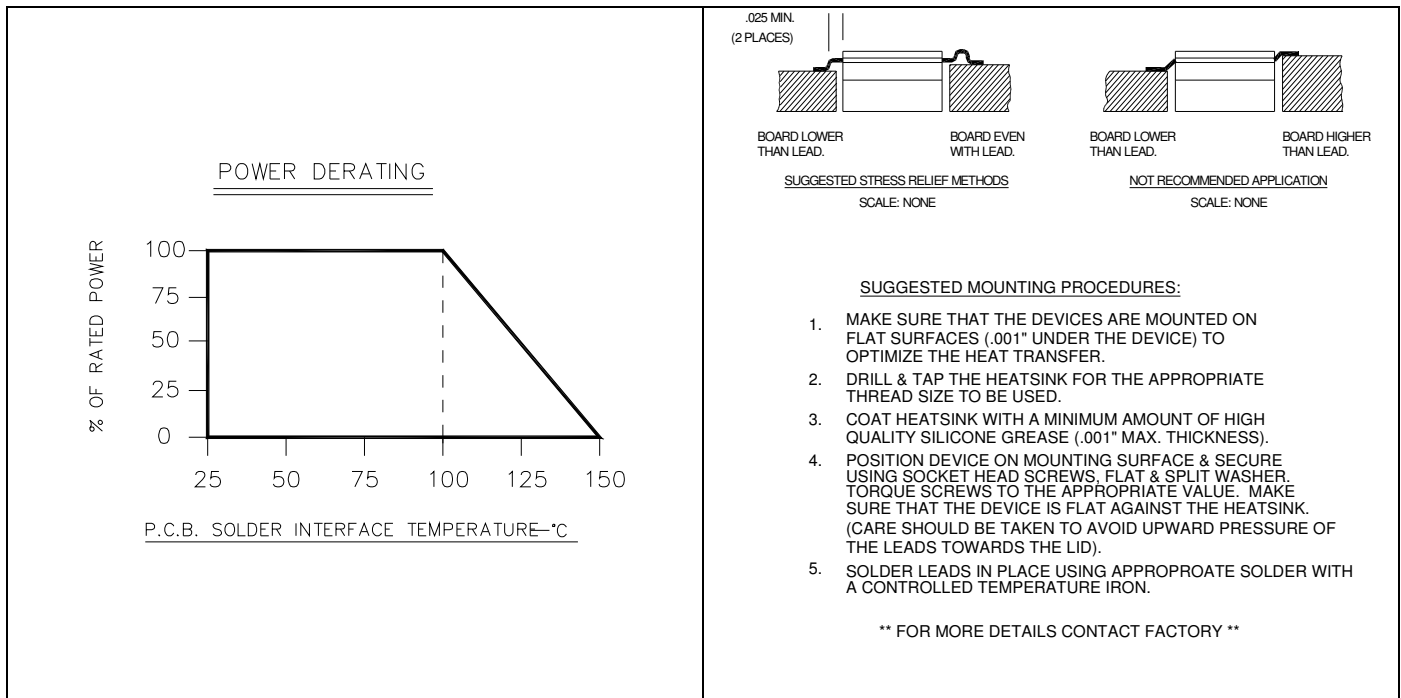


Typical Performance:

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

Power De-rating:

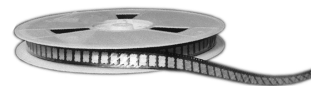
Mounting Footprint and Procedure:



100-XXAE-S (097) Rev D

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