



**Surface Mount Attenuator
100 Watts**

General Specifications



Resistive Element	Thick film
Substrate	Beryllium Oxide ceramic
Cover	Alumina ceramic
Mounting Flange	Copper nickel plated per QQ-N-290
Lead(s)	99.9% pure silver (0.005" thk.)
Operating Temperature	-55 to +125°C (see chart)

Tolerance is $\pm 0.010"$, 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 in inches. Lead length 0.150" minimum.

Features:

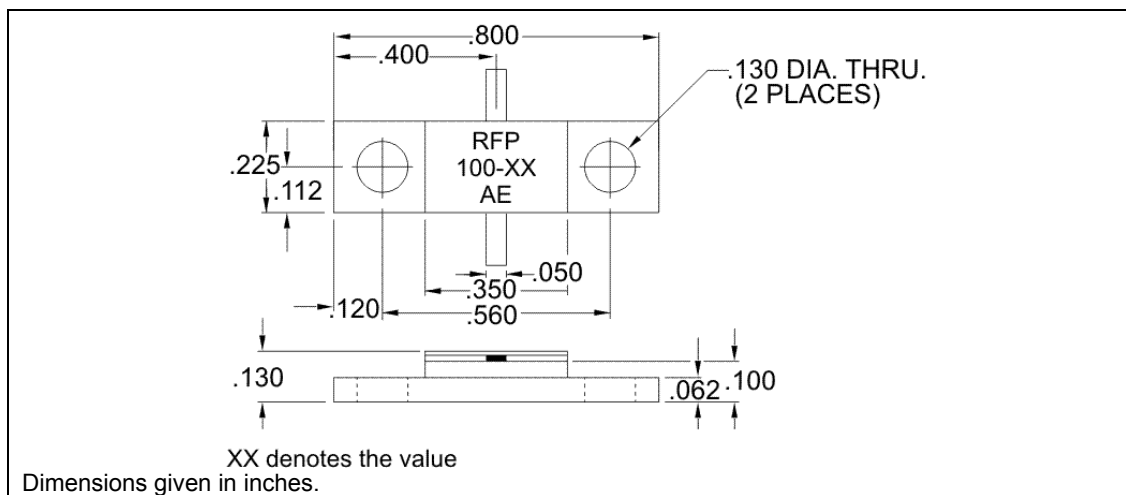
- DC – 2.5GHz
- 100 Watts
- BeO Ceramic
- Welded Silver Leads
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

Electrical Specifications

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

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

Outline Drawing



USA/Canada:
Toll Free:
Europe:

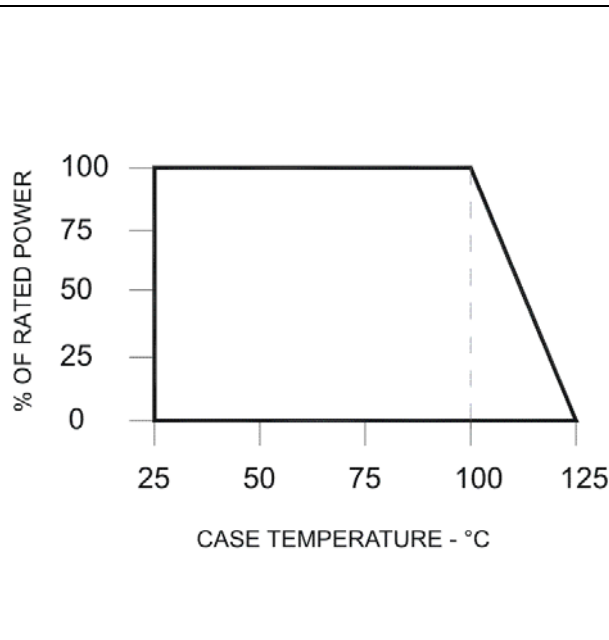
(315) 432-8909
(800) 544-2414
+44 2392-232392



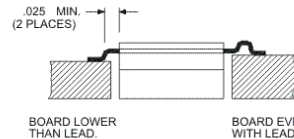
Specifications:

PART NUMBER	ATTENUATION(dB)	TOL. (±dB)	POWER (WATTS)	VSWR	FREQ (GHZ)
RFP-100-1AE	1	0.40	100	1.45:1	1.0
RFP-100-2AE	2	0.40	100	1.40:1	1.0
RFP-100-3AE	3	0.40	100	1.35:1	1.0
RFP-100-4AE	4	0.30	100	1.30:1	1.0
RFP-100-5AE	5	0.30	100	1.25:1	1.0
RFP-100-6AE	6	0.30	100	1.20:1	1.0
RFP-100-9AE	9	0.30	100	1.20:1	1.0
RFP-100-10AE	10	1.20	100	1.25:1	2.0
RFP-100-20AE	20	0.50	100	1.20:1	2.5
RFP-100-30AE	30	2.00	100	1.30:1	2.0

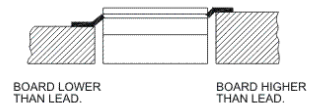
Power De-rating:



Suggested Mounting Procedure:



SUGGESTED STRESS RELIEF METHODS
SCALE: _____



NOT RECOMMENDED APPLICATION
SCALE: _____

1. Make sure that the devices are mounted on flat surfaces (.001" under the device) to optimize the heat transfer.
2. Drill & tap the heatsink for the appropriate thread size to be used.
3. Coat heatsink with a minimum amount of high quality silicone grease (.001" max. thickness).
4. Position device on mounting surface and secure using socket head screws, flat & split washers. Torque screws to the appropriate value. Make sure that the device is flat against the heatsink. (Care should be taken to avoid upward pressure of the leads towards the lid).
5. Solder leads in place using an SN63 type solder with a controlled temperature iron (210°C).

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What'll we think of next?™