

### Features

- DC - 2.5 GHz
- 8 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

### General Specifications

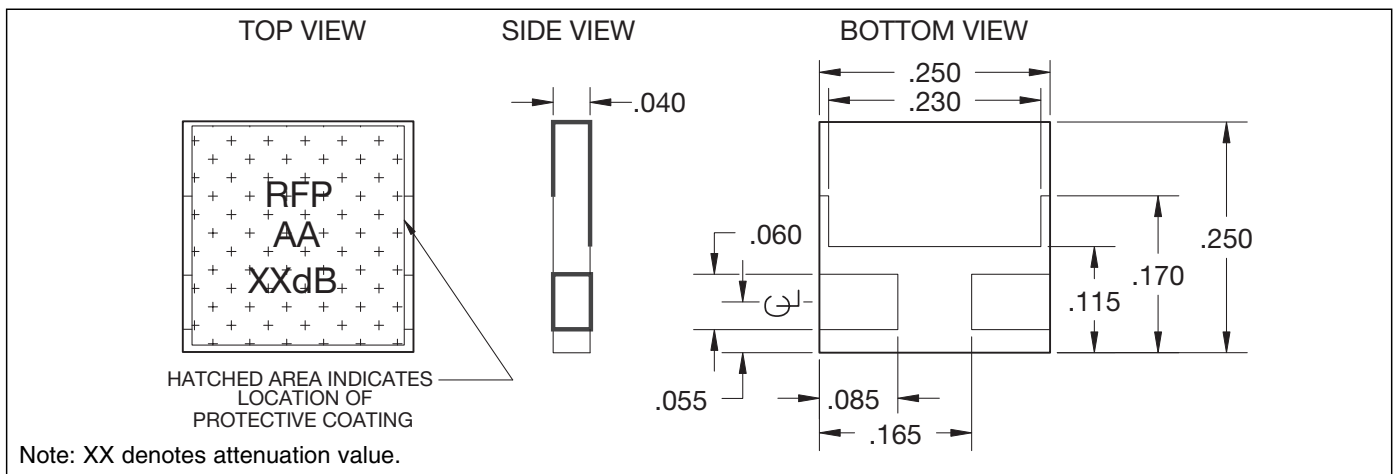
<b>Resistive Element:</b>	Thick film
<b>Substrate:</b>	Beryllium oxide ceramic
<b>Terminals:</b>	Thick film silver

### Electrical Specifications

<b>Attenuation Value:</b>	1, 2, 3, 4, 5, 6, 9, 10, 20 or 30 dB
<b>Frequency Range:</b>	DC - 2.5 GHz
<b>Power:</b>	8 Watts

**Notes:** Tolerance is  $\pm 0.010$ , unless otherwise specified. Operating temperature is  $-55^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$  (see chart). Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions are in inches. **Specifications subject to change without notice.**

### Outline Drawing



VER. 12/5/01



Available on Tape and Reel for Pick and Place Manufacturing.

**Sales Desk USA:** Voice: (800) 544-2414 Fax: (315) 432-9121  
**Sales Desk Europe:** Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369

# Model RFP-250250-4AAXX

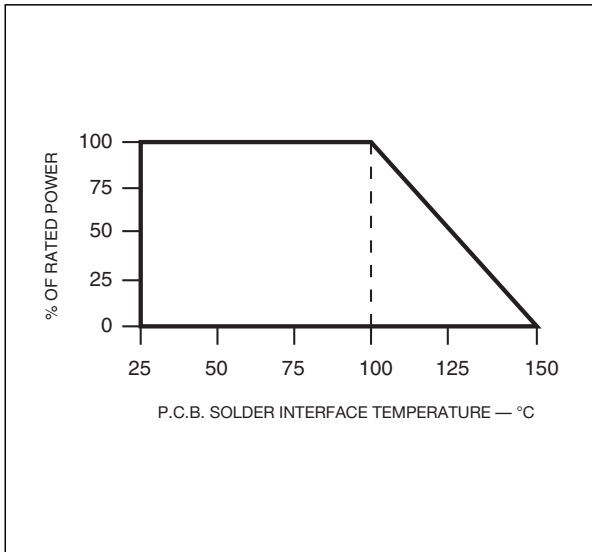


**RF Power**

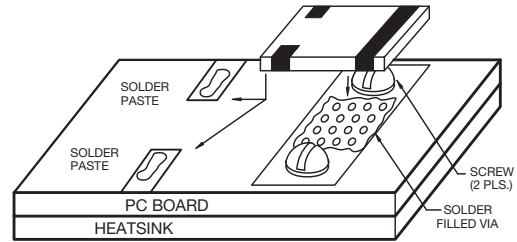
## Specifications

PART NUMBER	ATTENUATION (dB)	TOL. (+/-dB)	WIDTH	LENGTH	THK	POWER (WATTS)	VSWR	FREQ.(GHz)
RFP-250250-4AA1	1	0.30	0.25	0.25	0.04	8	1.20:1	2.5
RFP-250250-4AA2	2	0.40	0.25	0.25	0.04	8	1.20:1	2.5
RFP-250250-4AA3	3	0.40	0.25	0.25	0.04	8	1.20:1	2.5
RFP-250250-4AA4	4	0.40	0.25	0.25	0.04	8	1.20:1	2.5
RFP-250250-4AA5	5	0.40	0.25	0.25	0.04	8	1.25:1	2.5
RFP-250250-4AA6	6	0.40	0.25	0.25	0.04	8	1.30:1	2.5
RFP-250250-4AA9	9	0.40	0.25	0.25	0.04	8	1.30:1	2.5
RFP-250250-4AA10	10	0.40	0.25	0.25	0.04	8	1.30:1	2.5
RFP-250250-4AA20	20	0.75	0.25	0.25	0.04	8	1.25:1	2.5
RFP-250250-4AA30	30	1.50	0.25	0.25	0.04	8	1.20:1	2.0

## Power Derating



## Suggested Mounting Procedures



1. Solder part in place using 60/40 type solder with controlled temperature iron (700°F).
2. Drill thermal vias through PCB and fill with solder, such as 60/40 type.
3. To ensure good thermal connectivity to heat sink, drill and tap heatsink and mount PCB board to heat sink using screws.

Available on Tape and Reel for Pick and Place Manufacturing.

