

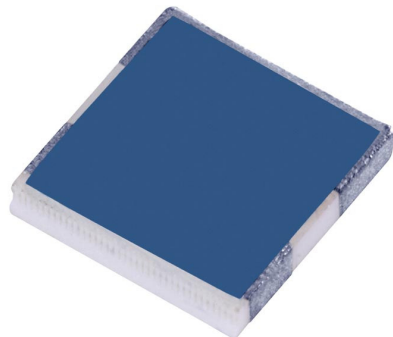
Anaren

RF Power

**RoHS
Compliant**

Model 250250-4AAXX

Surface Mount Attenuator 8 Watts



General Specifications

| | |
|--------------------------|-------------------------|
| Resistive Element | Thick film |
| Substrate | Beryllium oxide ceramic |
| Terminals: | Matte Tin over Nickel |

Electrical Specifications

| | |
|---------------------------|-------------------------------|
| Attenuation Range: | 1, 2, 3, 4, 5, 6, 9, or 10 dB |
| Frequency Range; | DC – 2.3 GHz |
| Power: | 8 Watts |
| VSWR | See Chart |

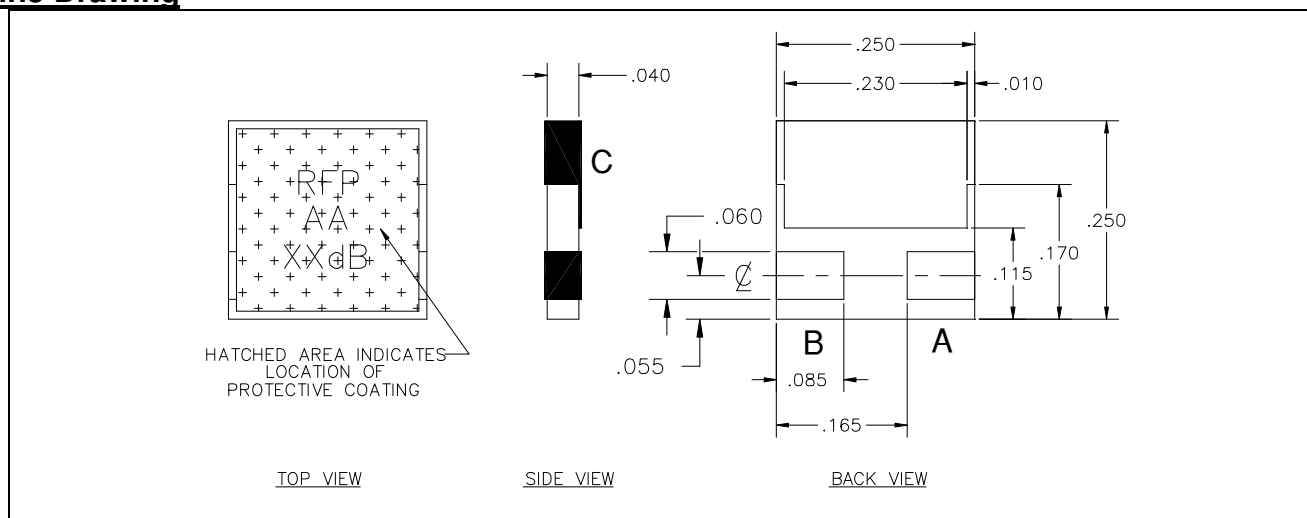
Note: Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 150°C (see chart for derating temperatures). All dimensions in inches.

Specifications subject to change with out notice.

Features:

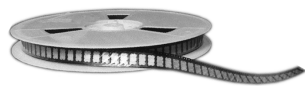
- DC –2.3 GHz
- 8 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- RoHS Compliant

Outline Drawing



250250-4AAXX (097) Rev C

Anaren
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USA/Canada: (315) 432-8909
Toll Free: (800) 544-2414
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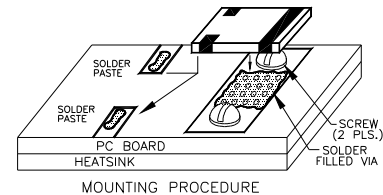
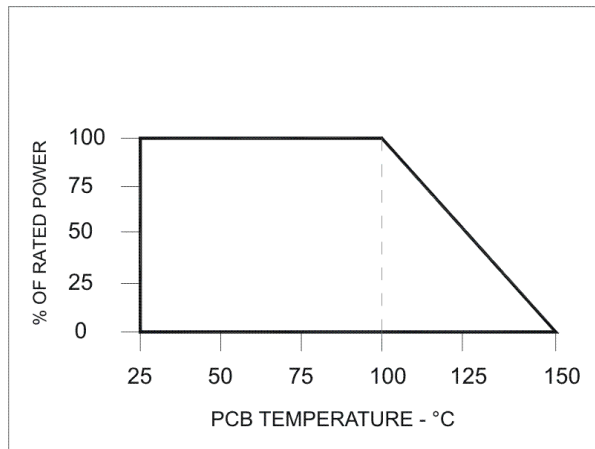


Typical Performance:

| ATTENUATION | VSWR | VALUE (A-B) | VALUE (A-C) | VALUE (B-C) | TOL. | RFP STOCKING P/N |
|-------------|--------|-------------|-------------|-------------|------|--------------------|
| 1dB ±0.3 | 1.20:1 | 5.8 Ω | 435.9 Ω | 435.9 Ω | ±4% | RFP-250250-4AA1-1 |
| 2dB ±0.4 | 1.20:1 | 11.4 Ω | 220.7 Ω | 220.7 Ω | ±4% | RFP-250250-4AA2-1 |
| 3dB ±0.4 | 1.20:1 | 17.0 Ω | 150.5 Ω | 150.5 Ω | ±4% | RFP-250250-4AA3-1 |
| 4dB ±0.4 | 1.20:1 | 22.6 Ω | 116.3 Ω | 116.3 Ω | ±4% | RFP-250250-4AA4-1 |
| 5dB ±0.4 | 1.25:1 | 28.0 Ω | 96.0 Ω | 96.0 Ω | ±4% | RFP-250250-4AA5-1 |
| 6dB ±0.4 | 1.30:1 | 33.2 Ω | 83.6 Ω | 83.6 Ω | ±4% | RFP-250250-4AA6-1 |
| 9dB ±0.4 | 1.30:1 | 47.6 Ω | 64.4 Ω | 64.4 Ω | ±4% | RFP-250250-4AA9-1 |
| 10dB±0.4 | 1.30:1 | 52.0 Ω | 61.0 Ω | 61.0 Ω | ±4% | RFP-250250-4AA10-1 |

Power De-rating:

Mounting Footprint and Procedure:



SUGGESTED MOUNTING PROCEDURES:

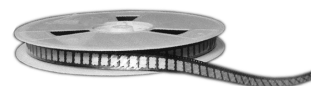
1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. DRILL & TAP THE HEATSINK FOR THE APPROPRIATE THREAD SIZE TO BE USED.
3. COAT HEATSINK WITH A MINIMUM AMOUNT OF HIGH QUALITY SILICONE GREASE (.001" MAX. THICKNESS).
4. POSITION DEVICE ON MOUNTING SURFACE & SECURE USING SOCKET HEAD SCREWS, FLAT & SPLIT WASHER. 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 APPROPRIATE SOLDER WITH A CONTROLLED TEMPERATURE IRON.

** FOR MORE DETAILS CONTACT FACTORY **

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