

Anaren

RF Power

**RoHS
Compliant**

Model RFP-30-50T-S

Flangeless Termination 30 Watts, 50Ω



General Specifications

| | |
|------------------------------|-------------------------------------|
| Resistive Element | Thick film |
| Substrate | BeO ceramic |
| Cover | Alumina ceramic |
| Lead(s) | 99.9% pure silver (.005" thick) |
| Operating Temperature | -55 to +150°C (see de rating chart) |

Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions in inches.

Electrical Specifications

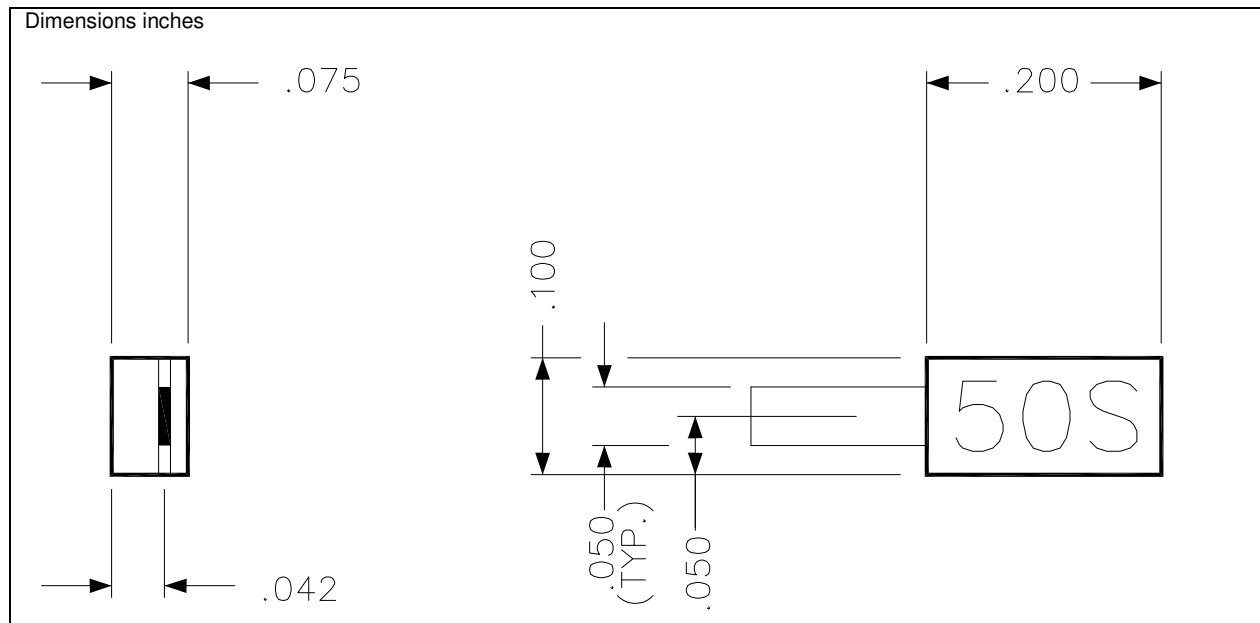
| | |
|--------------------------|--------------------|
| Resistance Value: | 50 Ohms, $\pm 5\%$ |
| Power: | 30 Watts |
| Frequency Range: | DC – 3.0 GHz |
| V.S.W.R. | 1.25:1 |

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. Operating temperature is -55°C to +150°C (see chart) **Specifications subject to change.**

Features:

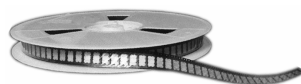
- 30 Watts
- DC – 3.0 GHz
- BeO Ceramic
- Welded Silver Leads
- Non-Nichrome Resistive Element
- 100% Tested
- RoHS Compliant

Outline Drawing



30-50T-S (097) Rev B

Anaren
What'll we think of next?™

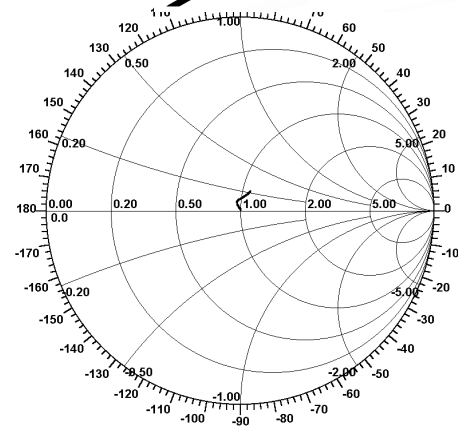
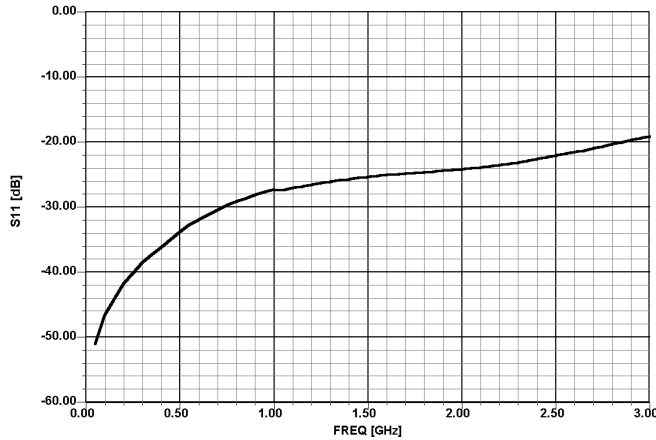


Available on Tape
and Reel For Pick and
Place Manufacturing.

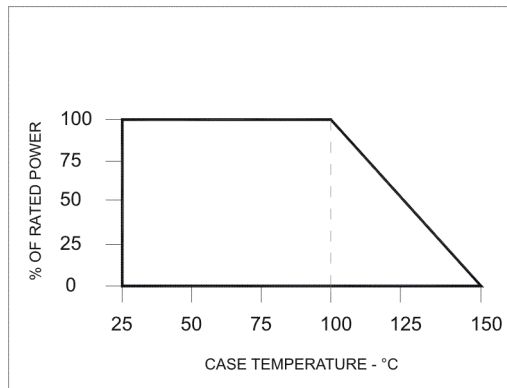
USA/Canada: (315) 432-8909
Toll Free: (800) 544-2414
Europe: +44 2392-232392



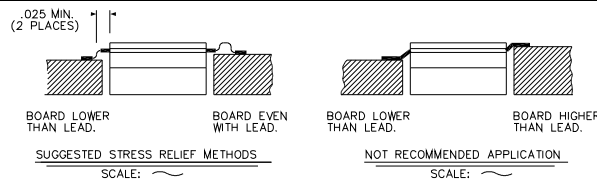
Typical Performance:



Derating:



Mounting Footprint and Procedure:



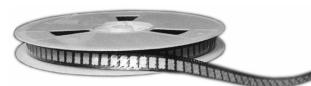
SUGGESTED MOUNTING PROCEDURES:

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 AN APPROPRIATE TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON.

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