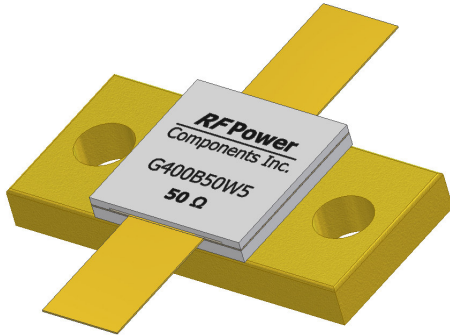


Ultra High Reliability Flanged Resistor 400 Watts



Features:

- 400 Watts
- Passes 500,000 Reliability Test Cycles
- BeO Ceramic
- Non-Nichrome Resistive Element
- Brazed Construction
- Gold plated Copper Leads

General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Cover	Alumina ceramic
Mounting flange	85 Tungsten/15 Copper, 30u-in Au over 300u-in Ni per QQ-N-290
Leads	Cu, 30u-in Au over 150 u-in Ni per QQ-N-290

Electrical Specifications

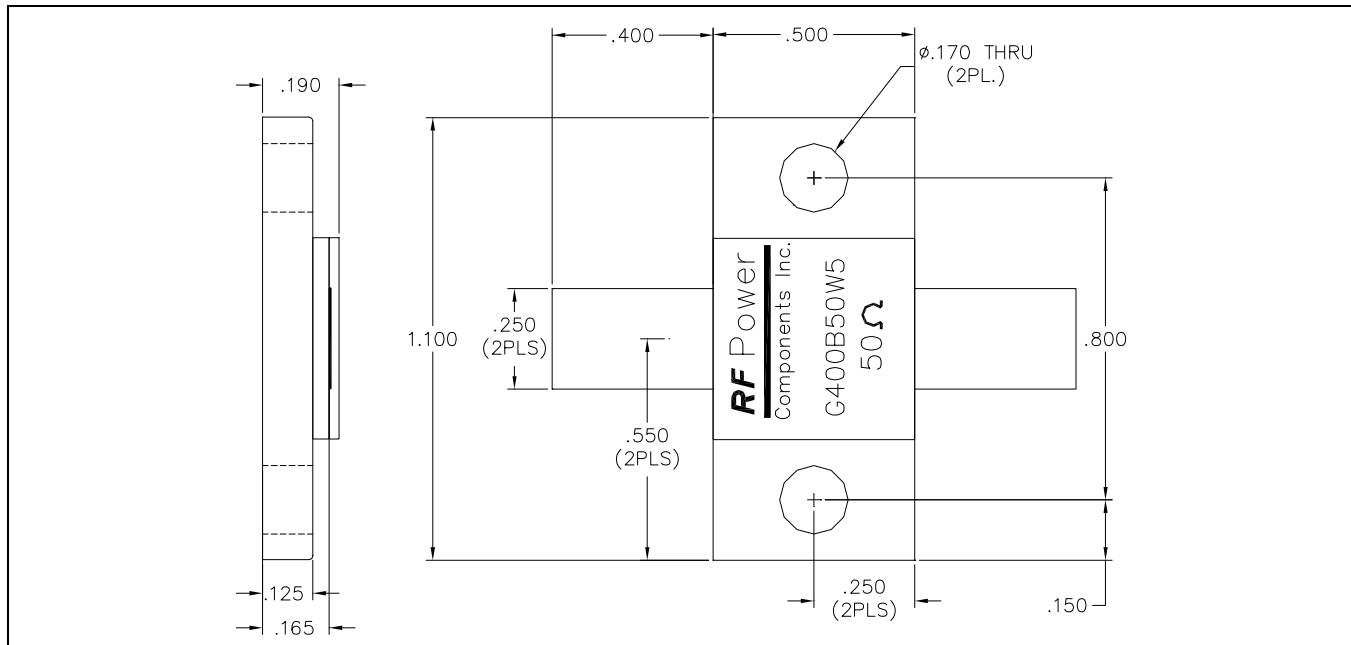
Resistance :	50 Ohms $\pm 2\%$
Power:	400 Watts

Tolerance is $\pm 0.010"$, unless otherwise specified. Operating temperature is -55°C to 250°C (see chart for de-rating temperatures).

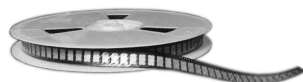
All dimensions in inches.

Specifications subject to change with out notice.

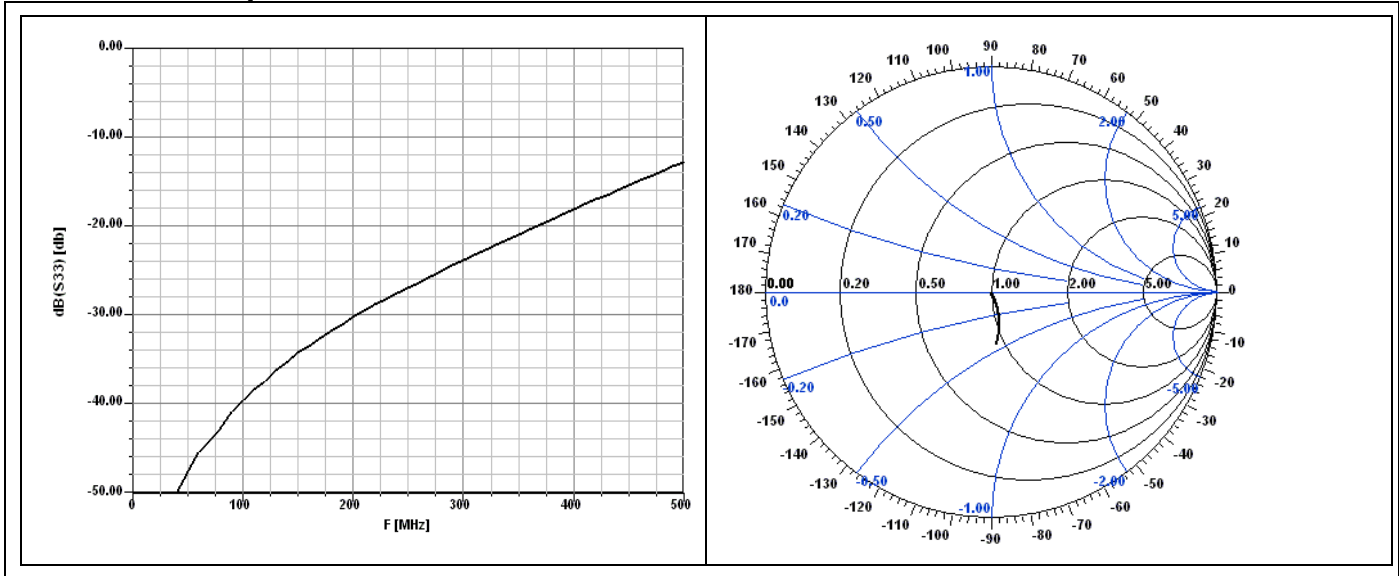
Outline Drawing



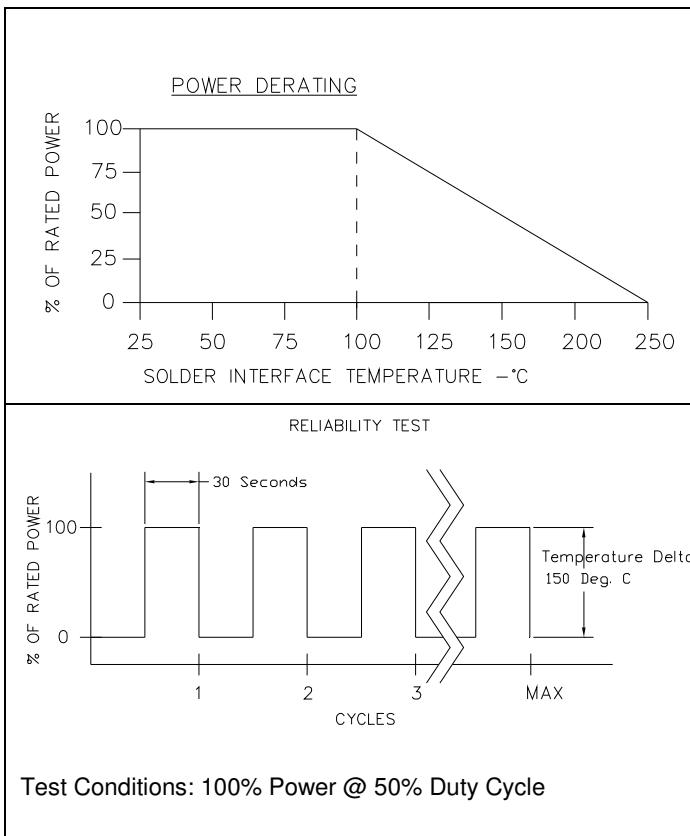
G400B50W5 (097) Rev C



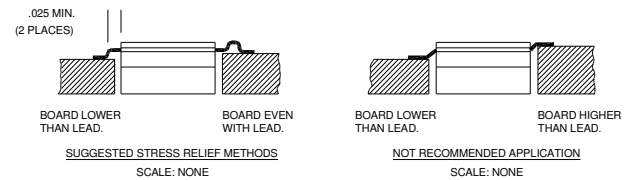
Performance Specifications:



Power De-rating and Reliability Test:



Mounting Footprint and Procedure:



SUGGESTED MOUNTING PROCEDURES:

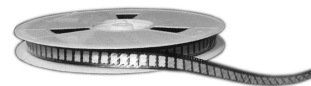
1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. DRILL & TAP THE HEATSINK FOR THE APPROPRIATE THREAD SIZE TO BE USED.
3. COAT HEATSINK WITH A MINIMUM AMOUNT OF HIGH QUALITY SILICONE GREASE (.001" MAX. THICKNESS).
4. POSITION DEVICE 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 **

G400B50W5 (097) Rev C

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

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