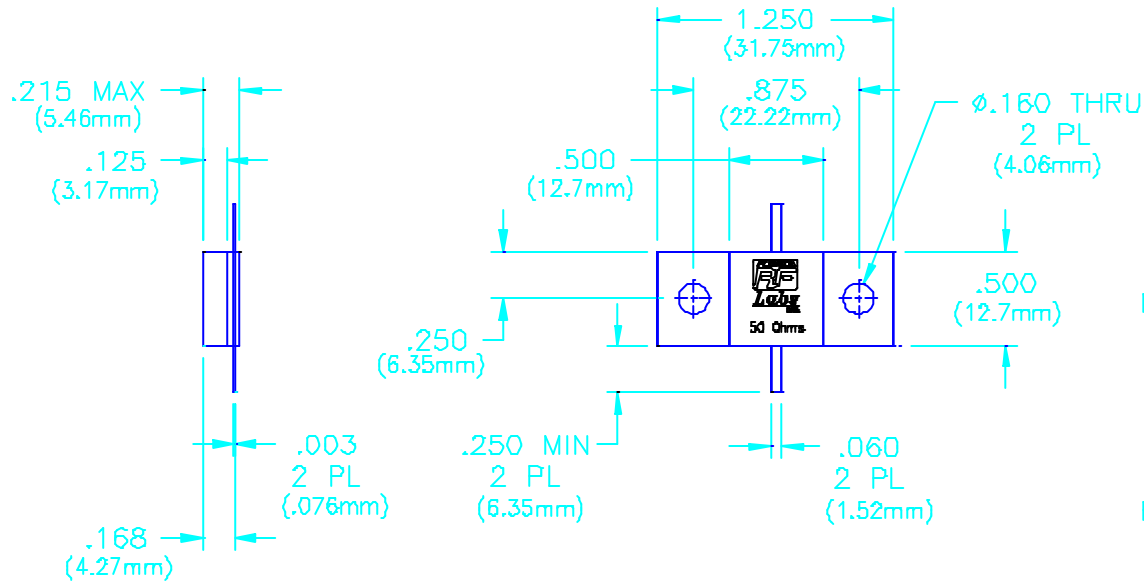


1. UNLESS OTHERWISE SPECIFIED TOLERANCES ARE  $\pm 0.010$  (.254mm)

CAD#311123A2

DRAWING NO. <b>31-1123</b>	REV. <b>A</b>
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**MATERIALS:**

MTG. FLANGE: COPPER PER ASTM B301  
 SUBSTRATE: BERYLLIUM OXIDE  
 COVER: ALUMINA OXIDE  
 TAB: BERYLLIUM COPPER PER QQ-C-533  
 RESISTIVE FILM: NICHROME

**FINISH:**

MTG. FLANGE: NICKEL PER QQ-N-290  
 TAB: TIN PER MIL-T-10727

A	DCN#0774	06/98	
N/C	RLSE#02307	01/98	MTG
REV.	DESCRIPTION	DATE	APPR.

UNLESS OTHERWISE SPECIFIED

- DIMENSIONS ARE AFTER PLATING
- DIAMETERS ON COMMON Q TO BE CONCENTRIC WITHIN \_\_\_\_\_ T.I.R.
- SURFACE ROUGHNESS  ✓
- CORNERS AND EDGES R. MAX.
- REMOVE BURRS AND BREAK SHARP EDGES

TOLERANCES

DECIMAL	FRACTION	ANGLES
.X ±		± _____
.XX ±	±	± _____
.XXX ±	±	± _____

ALL DIMENSIONS ARE IN INCHES

REFERENCE		
MATERIAL		
FINISH		
SCALE	CAGE CODE ID NO.	SIZE
1X	2Y194	A
APPR.	CHK	
MJK 01/07/98	PSC 01/10/98	

**FLORIDA R/F Labs INC.**

P.O. BOX 899  
 STUART, FL. 34995

TITLE  
**RESISTOR,  
 FLANGE MOUNT  
 500 WATT**

DRAWING NO. <b>31-1123</b>	REV. <b>A</b>
DRAWN <b>GEC</b> 01/07/98	SHEET <b>1</b> OF <b>2</b>

CAD#311123A3

DRAWING NO.

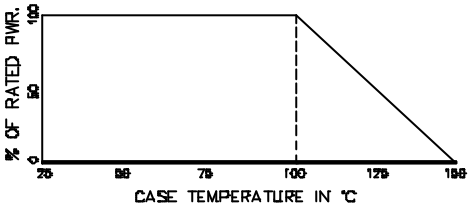
31-1123

REV.

A

REQUIREMENTS	RATING	REQUIREMENTS	RATING
NOMINAL IMPEDANCE (OHMS)	50	VIBRATION	MIL-STD-202 METHOD 204 COND. D (20 G'S)
FREQUENCY RANGE (GHz)	DC - 1.0		
TEMPERATURE COEFFICIENT	LESS THAN 200 PPM	SHOCK	MIL-STD-202 METHOD 213 COND. 1 (100 G'S)
OPERATING TEMPERATURE (C°)	-55 TO +150		
AVERAGE POWER (WATTS)	500	TEMPERATURE CYCLING	MIL-STD-202 METHOD 102 COND. C (-65 TO +125 °C)
CAPACITANCE (MAX)	1.5pf		
		TERMINAL STRENGTH	MIL-STD-202 METHOD 204 COND. A
		MOISTURE RESISTANCE	MIL-STD-202 METHOD 211 LESS STEP 7B
		SOLDERABILITY	MIL-STD-202 METHOD 208 COND. D (20 G'S)
		RESISTANCE TO SOLDER HEAT	MIL-STD-202 METHOD 210 COND. A

AVERAGE POWER DERATING



TITLE RESISTOR, FLANGE MOUNT  
500 WATT



P.O. BOX 899  
STUART, FL. 34995

DRAWN

GEC

SHEET

2 OF 2

DRAWING NO.

31-1123

REV.

A