







Features:

- See Chart
- 30 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Welded Silver Leads
- 100% Tested
- RoHS Compliant

RoHs Compliant

Flangeless Resistors 30 Watts

General Specifications

Resistive Element Thick film

Substrate Beryllium oxide ceramic

Cover Alumina ceramic

Mounting flange Copper, nickel plated per QQ-N-290

Leads 99% pure silver (.005" thick)

Electrical Specifications

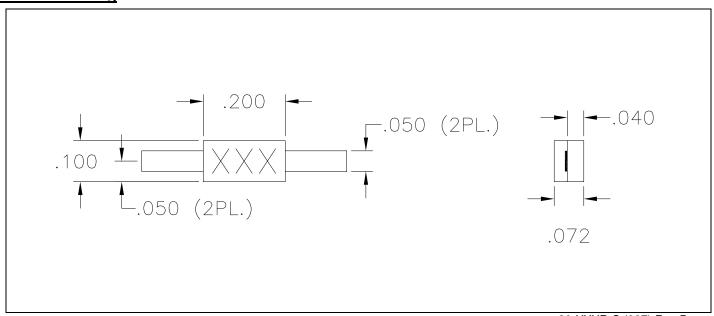
Resistance Range:See Chart, \pm 5%Frequency Range;See ChartPower:30 WattsCapacitance:.75 pF

Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. Operating temperature is -55 $^{\circ}$ C to 150 $^{\circ}$ C (see chart for derating temperatures).

All dimensions in inches.

Specifications subject to change with out notice.

Outline Drawing



30-XXXR-S (097) Rev B





Available on Tape and Reel For Pick and Place Manufacturing. USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392

Model RFP-30-XXXR-S



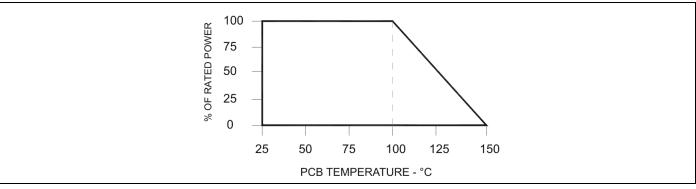
Resistor Value Chart:



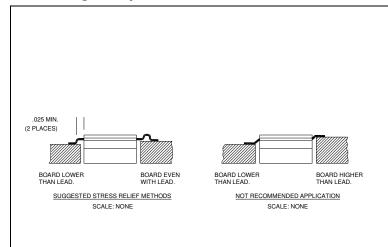


Part Number	Value	Frequency	Tolerance
30-50R-S	50 Ohms	DC-2.0 GHz	± 5%
30-100R-S	100 Ohms	DC-3.0 GHz	± 5%
30-180R-S	180 Ohms	DC-3.0 GHz	± 5%
30-200R-S	200 Ohms	DC-2.0 GHz	± 5%
30-300R-S	300 Ohms	DC-3.0 GHz	± 5%

Power De-rating:



Mounting Footprint and Procedure:



SUGGESTED MOUNTING PROCEDURES:

- 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.
- 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).
- SOLDER LEADS IN PLACE USING AN APPROPRIATE TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON (700°F).

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R1A06031000G5AR 060120A25X50-2 C45N50Z4 A5B50X1A 100200-4Z50-2 C150N50Z4 30-100R 60-50TP-S 100N50TW
E200N50X4 250375-4Z50-2 60-50TPR MIC1000AFLMGNHWS FT10301N0050J CS12010T0100GTR C8A50Z4B CW12010T0100GTR
FR10515N0050JBK FR10515N0100JBK FR10800N0100JBK FT10517N0050J01 FT10517N0050JBK FT10800N0050J02
LT11020T0050JBK LT12010T0050JBK 250375-4X50-2 30-100R-S 400-50T 40-50TP 60-50TP C10A50Z4 C16A50Z4 C1A50Z4
C50A50Z4 G250N50W4 G450N50W4 J100N50X4B K100N50X4B R2B130850R0J4J0 R3A100550R0J5G0