



# RoHS Compliant

# Model RFP-150-XXXRL-S

# Flanged Resistors 150 Watts



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)



Resistance RangeSee chartFrequency RangeSee chartPower150 WattsCapacitanceSee chart

Tolerance is  $\pm 0.010$ ", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 155°C (see chart for derating temperatures).

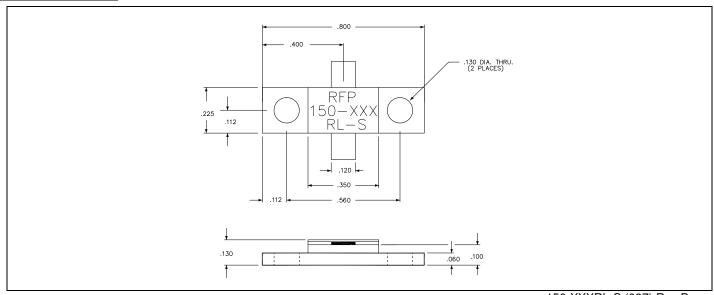
All dimensions in inches.

Specifications subject to change with out notice.

### Features:

- DC 2.0 GHz
- 150 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Welded Silver Leads
- 100% Tested
- RoHS Compliant

#### **Outline Drawing**



150-XXXRL-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-150-XXXRL-S**



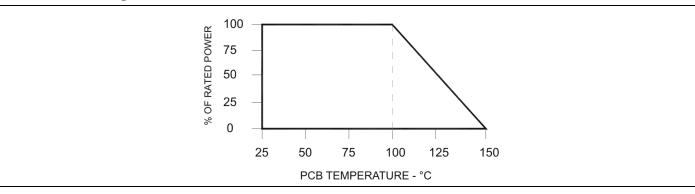
## **Specifications:**



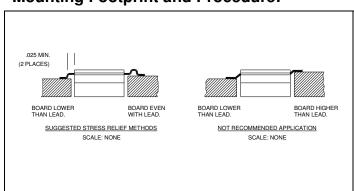


Part number	Frequency (GHz)	Resistance $(\Omega)$	Capacitance (pF)
150-50RL-S	1.5	50	2.9
150-100RL-S	2.0	100	2.9
150-150RL-S	2.0	150	3.2
150-200RL-S	2.0	200	3.2

#### **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.
  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).
- POSITION DEVICE ON MOUNTING SURFAGE & 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 APPROPROATE SOLDER WITH A CONTROLLED TEMPERATURE IRON.

\*\* FOR MORE DETAILS CONTACT FACTORY \*\*

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