

## FEATURES:

- DC ~ 1.0 GHz;
- 50 Ohm Load;
- Max 200 W Input CW Power Handling;
- 20 dB Minimum Return Loss;
- RoHS Compliant;
- Made In USA.

## APPLICATIONS:

- Test & Measurement;

## LR01A: DC ~ 1.0 GHz 200W, 50 OHM PRECISION LOAD

### ELECTRICAL SPECIFICATIONS @ 21 °C

Item	Parameters/Conditions	Unit	Min	Nom	Max
F	Operating Frequency	GHz	DC		1.0
P	Maximum CW PWR	W			200
RL	Return Loss	dB	20		
Z <sub>0</sub>	Impedance	Ohm		50	

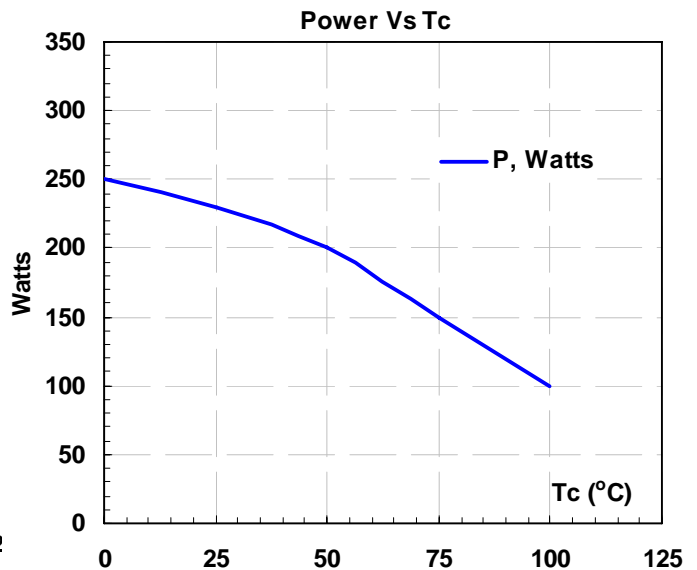
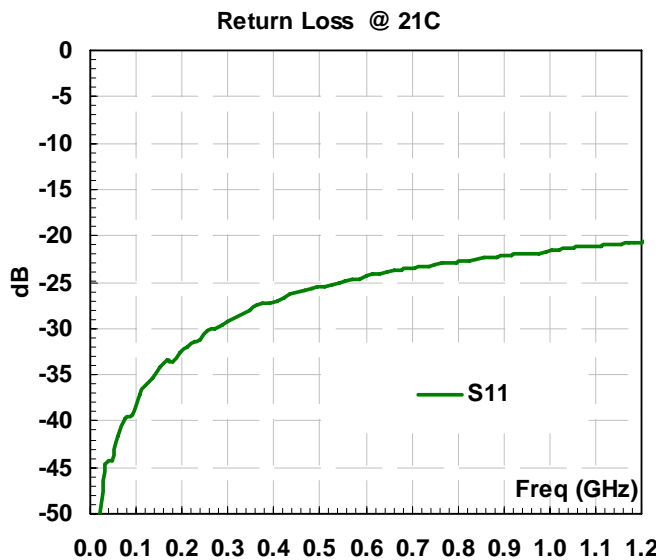
### ABSOLUTE MAXIMUM RATINGS\*

Parameters/Conditions	Unit	Max
Input Maximum CW PWR	W	200
Maximum Case Operating Temp	°C	85
Thermal Resistance, Junction to Case	°C/W	0.5

\*Operation beyond any one of these parameters may cause permanent damage

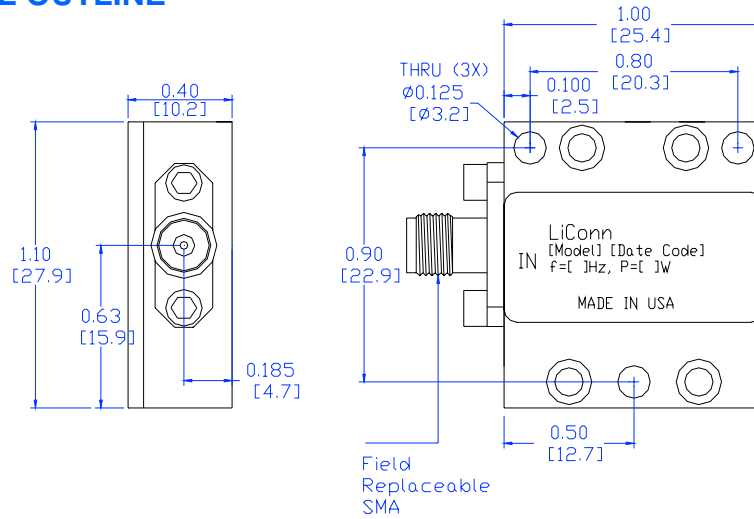
**Additional Heat Sink Required!**

### TYPICAL PERFORMANCE

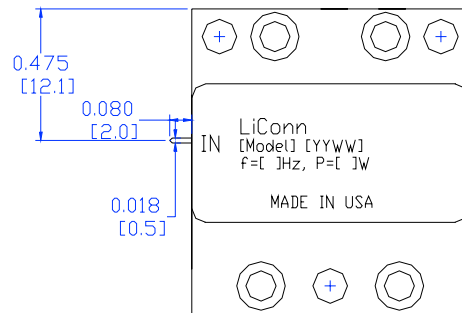


# LR01A: DC ~ 1.0 GHz 200W, 50 OHM PRECISION LOAD

## MECHANICAL OUTLINE



## LR01A-3:



Unit: INCH Base Material: Brass  
[mm] Finish: Gold Plating  
Tolerance: X.XX ±0.01"  
X.XXX ±0.005"

## ORDERING INFORMATION

Model Number	Input SMA
LR01A-1	Male
LR01A-2	Female
LR01A-3	Pin

## MOUNTING LOAD

Additional heat sink is required. A Tgon thermal film is required between the bottom of the load and the heat sink for the effective thermal dissipation. Use four pieces of #4-40 with longer than 9/16" screws for mounting the load on a metal-based chase. Flat and spring washers are needed to prevent the screw loosening during the shock and vibration. Always use the appropriate torque setting of the power screwdriver to mount them.