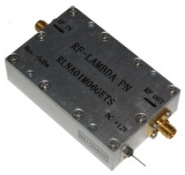
Ultra Wide Band Low Noise Amplifier 2.0GHz~8.0GHz

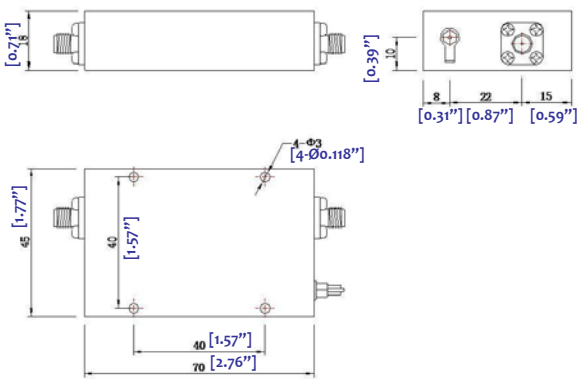
DC +12V Model AC 110V/220V Model



High Gain 35dB
Applicable for base station, repeaters of cellular network
LMDS multi-carrier operation
Aerospace and military applications
High Peak to average handle capability
High Linearity and low noise figure
All specifications can be modified upon request

Electrical Specifications			
Frequency :	**2.0GHz-8.0GHz**	**P1dB**	**30dBm**
Noise Figure:	**5.0@2GHz**	**Out IP3:**	**40dBm**
Gain:	**35dB** **ΔG/ΔT=0.03dB/°C**	**Output VSWR:**	**2.5 : 1**
Gain Flatness:	**+/-2.0dB**	**Input VSWR:**	**2.5 : 1**
Input Power:	**-5dBm(max)**	**Power DC/AC:**	**DC type: +12V/650mA max** **AC Type: 110V AC 60Hz**

Heat Sink required during operation



Package: RL-11

Mechanical Environmental Spec.	
Operation Temperature:	**-40°C to 85°C base plate**
Vibration:	**14.2g RMS (15-2000Hz) functional**
	16.2g RMS (15-2000Hz) endurance, 1 hour /axis
Connectors:	**RF SMA-F / N-F Removable**
	Supply RFI filter solder Pin (or 110V AC power plug)
Mechanical shock	**30G, 11mSec half sin wave, 3 axis both directions**
Humidity	**95% relative humidity, 65°C 96Hour**
MTBF	**50000 hour min**
Case:	**Conductive no paint**
Dimension (L x W x H):	**See Drawing (DC model)** **7.87" X 4.72" X 1.00" (AC model)**

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