



Ultra Wide Band Low Noise Amplifier

0.05GHz~30GHz

DC +12V Model

AC 110V/220V Model

High Gain 28dB

Applicable for base station, repeaters of cellular network

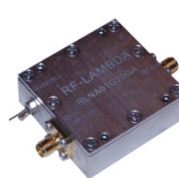
LMDS multi-carrier operation

Aerospace and military applications

High Peak to average handle capability

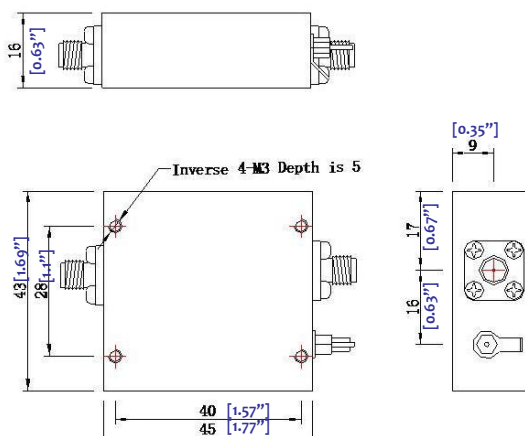
High Linearity and low noise figure

All specifications can be modified upon request



Electrical Specifications			
Frequency :	0.05GHz-30GHz	P1dB	20dBm
Noise Figure:	4.5@15GHz	Out IP3:	27dBm
Gain:	28dB $\Delta G/\Delta T=0.03\text{dB}/^\circ\text{C}$	Output VSWR:	2.5 : 1
Gain Flatness:	+/-4.0dB	Input VSWR:	2.5 : 1
Input Power:	-8dBm(max)	Power DC/AC:	DC type: +12V/500mA max AC Type: 110V AC 60Hz

Heat Sink required during operation



Package: RL-05

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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