



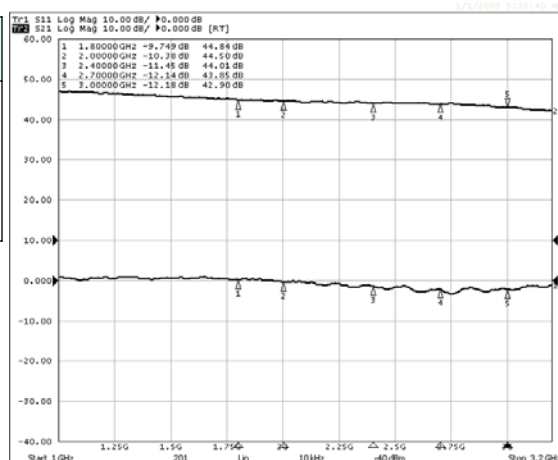
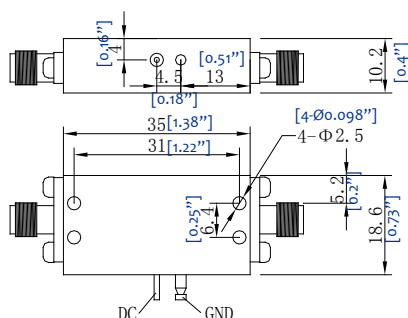
Narrow Band Low Noise Amplifier 2.0GHz~2.7GHz

- High Gain 45dB
- Applicable for base station, repeaters of cellular network
- LMDS multi-carrier operation
- High Peak to average handle capability
- High Linearity and low noise figure
- Lower Noise Figure unit available upon request



Electrical Specifications			
Frequency Range:	2000MHz-2700MHz	P1dB	+7dBm
Noise Figure:	1.0dB typ. 1.5dB Max *	Out IP3:	+17dBm
Gain:	45dB	Output VSWR:	1.5 : 1
Flatness:	+/-0.5dB	Input VSWR:	1.5 : 1
Input Power	-38dBm (Max) **	DC Voltage:	+12V/240mA max ***
Mechanical and Environmental Specifications			
Operation Temperature:	-40°C to 85°C base plate	Mechanical shock	30G, 11mSec half sin wave, 3 axis both directions
Vibration:	14.2g RMS (15-2000Hz) functional	Humidity	95% relative humidity, 65°C 96Hour
	16.2g RMS (15-2000Hz) endurance, 1 hour per axis	MTBF	50000 hour min
Connectors:	RF SMA-F Removable	Case:	Conductive no paint
	Supply RFI filter solder Pin	Dimension Size	As shown below.

SN	Frequency (GHz)	S11 (dB)	S21 (dB)	S12 (dB)	S22 (dB)	NF (dB)	P1dB (dBm)	Idd (mA)
10#	1.80	-10.30	46.20	-60.6	-12.5	1.80	7.90	< 100
10#	2.00	-10.90	45.80	-53.3	-11.5	1.70	7.70	
10#	2.40	-10.90	45.50	-55.6	-11.4	1.70	7.40	
10#	2.70	-11.40	45.10	-58.3	-10.6	1.90	7.30	
10#	3.00	-11.70	43.50	-54.1	-12.3	2.10	7.10	



Heat Sink required during operation.

*Contact manufacture for lower NF solution

** Input over drive protection available upon request

*** DC Reverse protection available upon request

UNIT:mm XB-02A