



Narrow Band Low Noise Amplifier 17.2GHz~21.2GHz

- High Gain 55dB
- Applicable for base station, repeaters of cellular network
- Aerospace and military application
- LMDS multi-carrier operation
- High Peak to average handle capability
- High Linearity and low noise figure
- All specifications can be modified upon request



Electrical Specifications			
Frequency Range:	17.2GHz~21.2GHz	P1dB	+10dBm
Noise Figure:	2.5dB typ. 3.5dB Max *	Out IP3:	+20dBm
Gain:	55dB	Output VSWR:	1.5 : 1
Flatness:	+/-1.0dB	Input VSWR:	1.5 : 1
Input Power	-45dBm (Max) **	DC Voltage:	+12V/390mA 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 or N Removable	Case:	Conductive no paint
	Supply RFI filter solder Pin	Dimension Size (L x W x H):	2.28" x 1.73" x 0.59" 57.90mm x 43.9mm x 15.98 mm

*Contact manufacture for lower NF or other spec. modification

** Input over drive protection available upon request

*** DC Reverse protection available upon request

Heat Sink required during operation.

