



### Wide Band Low Noise Amplifier 12.0GHz~15.0GHz

- High Gain 30dB
- 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 Range:	12.0GHz-15.0GHz	P1dB	+15dBm
Noise Figure:	2.0dB typ. 2.5dB Max *	Out IP3:	+25dBm
Gain:	30dB	Output VSWR:	2.0 : 1
Flatness:	+/-0.5dB	Input VSWR:	2.0 : 1
Input Power	-15dBm (Max) **	DC Voltage:	+12V/270mA 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 (L x W x H):	3.27" x 1.38" x 0.65" 83mm x 35mm x 16.5 mm

\*Contact manufacture for lower NF solution

\*\* Input over drive protection available upon request

\*\*\* DC Reverse protection available upon request

Heat Sink required during operation.

