

Features

- RF Input Frequency: 8GHz~8.5GHz
- IF Output Frequency: 1.2GHz-1.7GHz
- Conversion Gain: ≥ 50 dB
- Conversion NF: 1dB type 1.5dBmax
- Output P-1: ≥ 5 dBm
- Reference Frequency: Internal
- Spurious Suppression: 60dBc
- Harmonics Suppression: 50dBc
- Supply Voltage: +12V
- Built-in Local oscillator

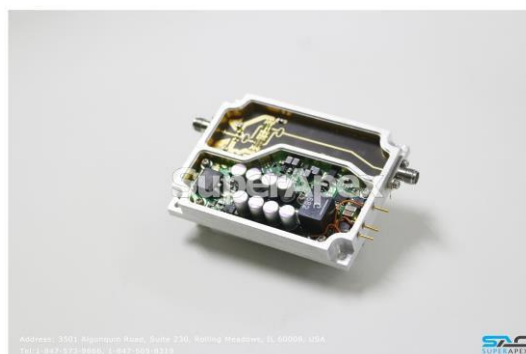
Typical Applications

- Microwave receiver
- Telecommunication
- Test instrumentation

General Description

LNB is a down converter with internal local oscillator and RF frequency range of 8 to 8.5 GHz. The LNB has super noise figure and very high gain.

Image



Electrical Performance ($T_A=25^{\circ}\text{C}, V_D=12\text{V}, Z_0=50\Omega$)

Parameter	Min.	Typ.	Max.	Units
RF input Frequency Range	8~8.5			GHz
conversion Gain	50	52	54	dB
Noise Figure	—	1	—	dB
Output IF Frequency	1.2~1.7			GHz
Output P-1	+5			dBm
Internal REF frequency	100			MHz
Local Oscillator Frequency	6.8			GHz
Output VSWR	—	1.7	2	:1
Reverse Isolation	—	-55	—	dB
Supply Voltage	13.5	12	15	V
Supply Current		0.6		A
Spurious Suppression	60			dBc
Harmonics Suppression	50			dBc

Mechanical Specifications

Parameter	
Input/Output	SMA-F/SMA-F
Supply	THRU cap
Case Material	Aluminum alloy
Weight	800g type
Cooling	Nature heat dissipation

Mechanical Outline

All dimensions are in millimeters

