

Features:

- Broad band, low noise, and high gain
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O
- Operating temperature -40~+85°C, storage temperature -55~+85°C

Electrical Specifications

Parameters	Minimum	Typical	Maximum
Frequency Range	2.0 GHz		18.0GHz
Noise Figure (from 50MHz)		3.5 dB	5.5 dB
Nominal SS Gain @25°C	20 dB	23dB	26 dB
P-1dB Compression Point	+10dBm	+13 dBm	
Gain flatness		+/-1.0 dB	+/-1.25 dB
Gain Variation		+/-1.5 dB	
Input VSWR		1.8:1	2.5:1
Output VSWR		1.8:1	2.5:1
Reverse Isolation	30dB	40dB	
Spurious			-60 dBc
Operating Temperature	-40°C		+75°C
Survival Temperature	-55°C		+125°C
DC Voltage	+11.0V		+15 V
DC Supply Current	120 mA	150 mA	180 mA
In/Out connectors	SMA female		
Size	1.5"x0.85"x0.375		

Functional Diagram

