

Features

- Noise Figure ≤ 1.9 dB
- Unconditionally Stable at all temperatures
- Internally Regulated DC Voltage
- Internally DC blocked Input/Output
- 50 Ohm Matched Input/Output
- Field Replaceable 3.5mm SMA connectors
- Excellent Group Delay and Phase Linearity
- 0.009 inches diameter RF In/Out feed through
- Operating Temp. -55 C to +85 C
- 3 Year Warranty

Options

- **Optimized Performance over Selected Bandwidth**
- Hermetically Sealed Package
- Improved Gain Flatness
- Improved IN and OUT VSWR
- Gain and Phase matching
- Lower Noise Figure



Specifications (23 °C)

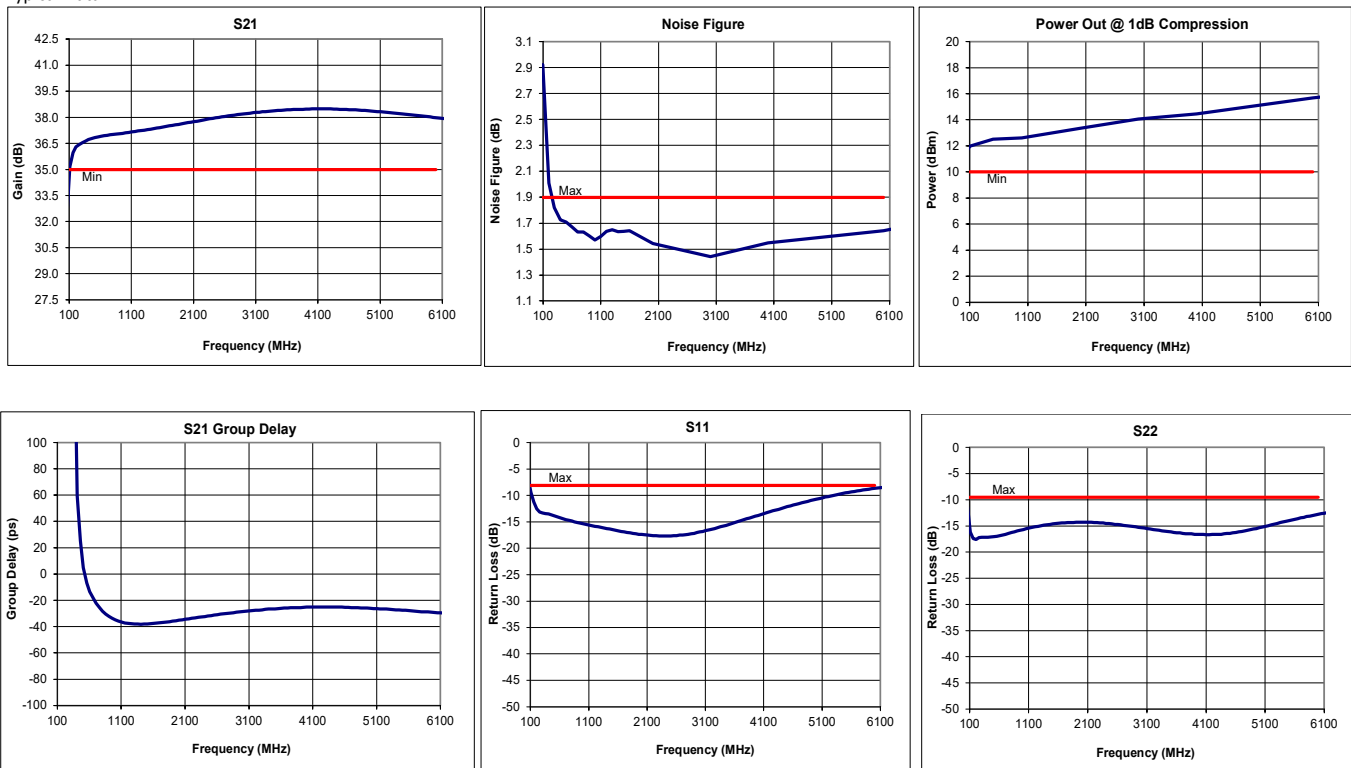
Parameter	Min	Typ	Max	Units
Frequency Range	0.1	-	6	GHz
Noise Figure*	-	1.7	1.9	dB
Gain	35	37		dB
Gain Flatness (+/-)	-	± 1.2	± 1.5	dB
P1 Output Power	+10	+12	-	dBm
Input VSWR	-	2.0:1	2.3:1	
Output VSWR	-	1.8:1	2.0:1	
Operating Temperature	-55		+85	°C
Non-Operating Temp Range	-65	-	+100	°C
RF Input Power (no-damage) ²	-	-	+20	dBm
Humidity (non-condensing)	-	-	95	%
Voltage	+12	+12	+20	VDC
Current		140		mA
Input Impedance		50		Ohms
RF Connector	3.5mm SMA - Female			
Dimensions	29.9 x 18.7 x 7.6			mm

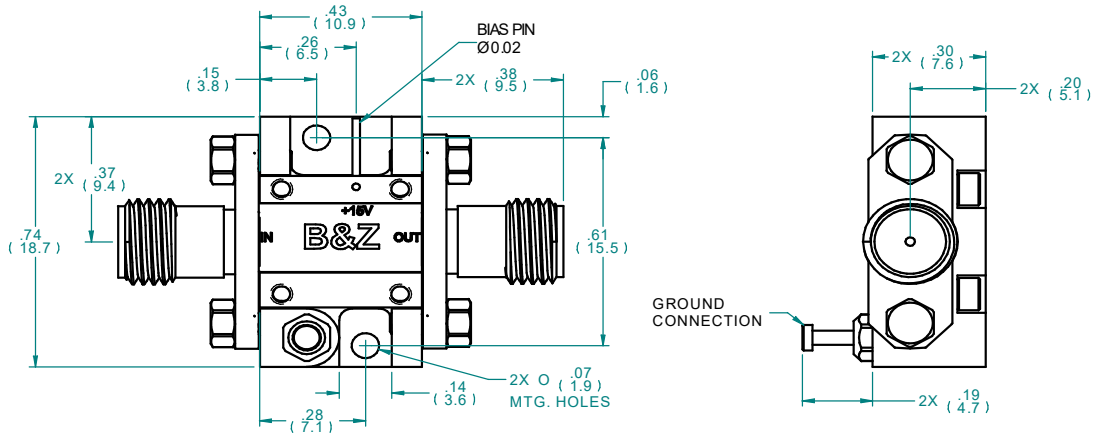
* Noise Source used for measurement from 0.01 to 26.5 GHz is HP346C
NF Uncertainty (approx. 0. 1dB). 0.05 dB due to ENR of HP 346C; and 0.05 dB due to the gain modulation of the unit caused by the HP 346C source impedance change in the ON and OFF state.

* Performance degrades slightly below 200 MHz.

• There is a limiter installed at the input of the amplifier. The limiter protects the amplifier from IELECTRONIC STATIC DISCHARGE. The limiter also allows the amplifier to to handle upto +20 dBm CW power with no damage .

Typical Data

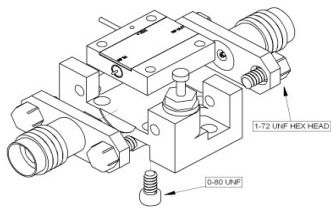




Approx. Actual Size



Mounting Drawing



Drop In

