

Description

This is a low-noise amplifier,
operating in the bandwidth **18.0 to 40 GHz**.

Features

- **Noise Figure ≤ 3.8 dB**
- Limiting Diode Protection against moderate ESD
- Internally Regulated DC Voltage
- 50 Ohm Matched Input/Output
- Field Replaceable 2.92mm K 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 and Lifetime Support

Options

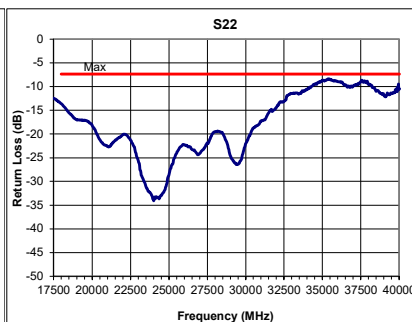
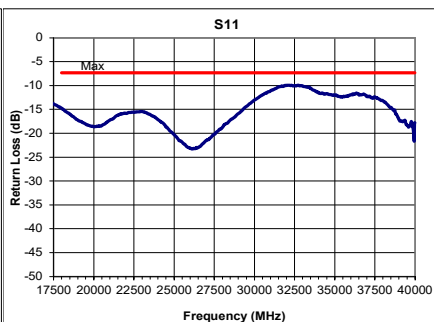
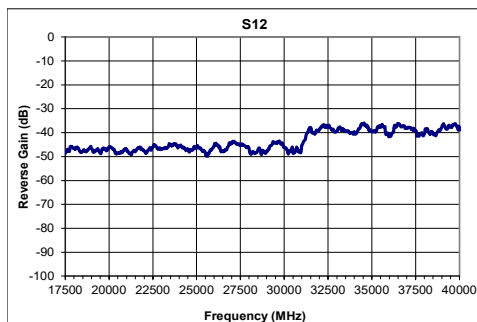
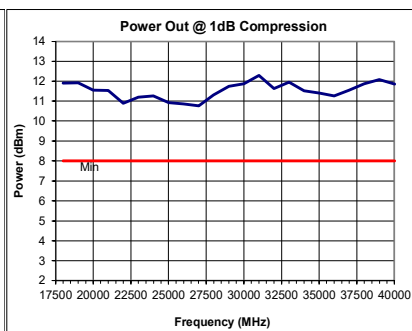
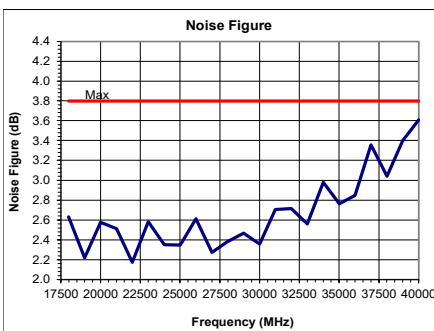
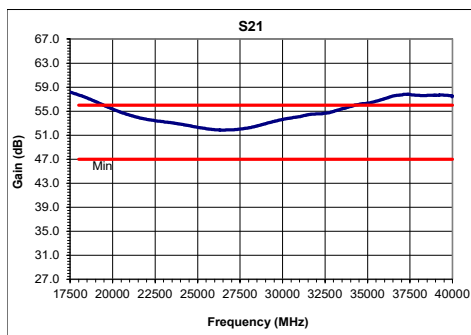
- **Optimized Performance over Selected Bandwidth**
- Internally DC Block Input (Output DC Block Standard)
- Hermetically Sealed Package
- Reverse Polarity Protection
- Gain and Phase matching
- Male or Female Connectors
- Mounted on Heatsink



Specifications @ 77K

Parameter	Min	Typ	Max	Units
Frequency Range	18	-	40	GHz
Noise Figure*	-	-	3.8	dB
Gain	47	-	-	dB
Gain Flatness (+/-)	-	-	± 4.0	dB
P1 Output Power	+8	-	-	dBm
Input VSWR	-	-	2.5:1	
Output VSWR	-	-	2.5:1	
Operating Temperature**	-55	-196	+85	°C
Non-Operating Temp Range	-196	-	+85	°C
RF Input Power (no-damage)	-	-	+18	dBm
Humidity (non-condensing)	-	-	95	%
Voltage	12	-	15	VDC
Current	-	250	-	mA
Input Impedance	50			Ohms
RF Connector	2.92mm K - Female			
Dimensions	42.9x22.8x19.7			mm
Outline	100161			

**At B&Z, we can only measure down to 77K, but unit can be cooled down to 15K or lower with lower noise temp.
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.



S/N. 11678-11679
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