B&Z TECHNOLOGIES
INNOVATING TO EXCEL

LNA, 3.5 to 9GHz

Model: **BZ-03500900-081245-102515**

Features

- **Noise Figure ≤ 0.8 dB**
- Unconditionally Stable at all temperatures
- Internally Regulated DC Voltage
- 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

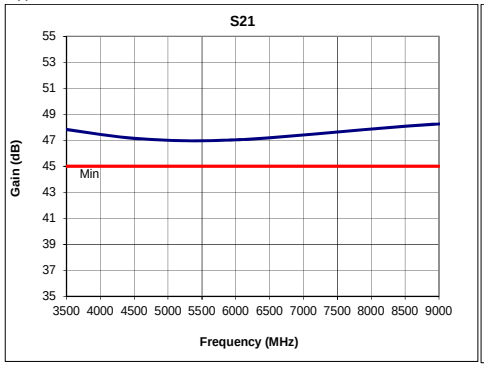
- **Optimized Performance over Selected Bandwidth**
- Internally DC Block Input (Output DC Block Standard)
- Hermetically Sealed Package
- Improved Gain Flatness
- Improved IN and OUT VSWR
- Gain and Phase matching
- Lower Noise Figure

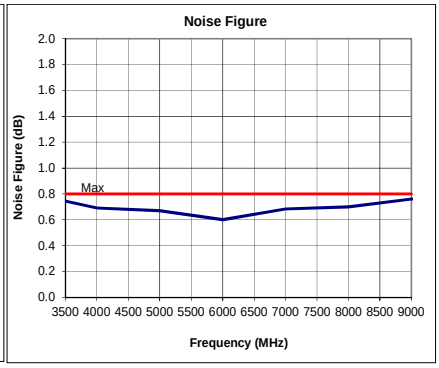
Specifications (23 °C)

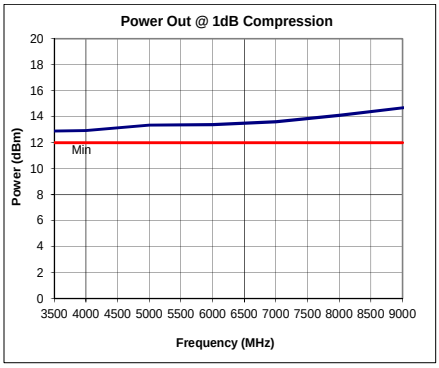
Parameter	Min	Typ	Max	Units
Frequency Range	3.5	-	9	GHz
Noise Figure*	-	0.7	0.8	dB
Gain	45	47	-	dB
Gain Flatness (+/-)	-	± 0.5	± 1	dB
P1 Output Power	+12	+13	-	dBm
Input VSWR	-	-	2.5:1	
Output VSWR	-	-	1.5:1	
Operating Temperature	-55	-	+85	°C
Non-Operating Temp Range	-65	-	+85	°C
RF Input Power (no-damage)	-	-	+13	dBm
Humidity (non-condensing)	-	-	95	%
Voltage	+12	+12	+15	VDC
Current	-	160		mA
Input Impedance	50			Ohms
RF Connector	3.5mm SMA - Female			
Dimensions	29.9 x 18.7 x 7.6			mm

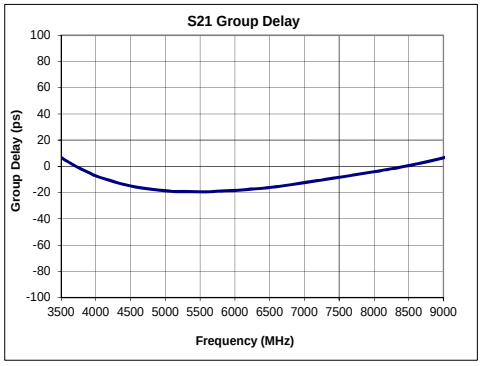
* Noise Source used for measurement from 0.01 to 26.5 GHz is HP346C .
NF Uncertainty (approx. 0. 1dB). 0.05 dB due to ENR of HP 346C; and 0.05 dB, due to the gain modulation of the unit, caused by the HP 346C source impedance change in the ON and OFF state.

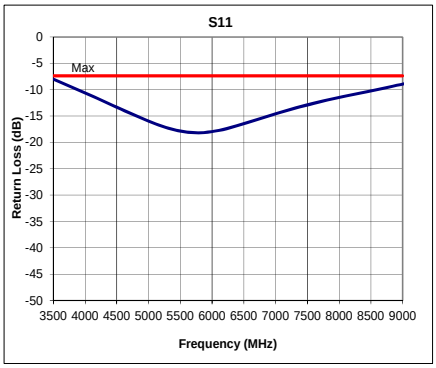
Typical Data

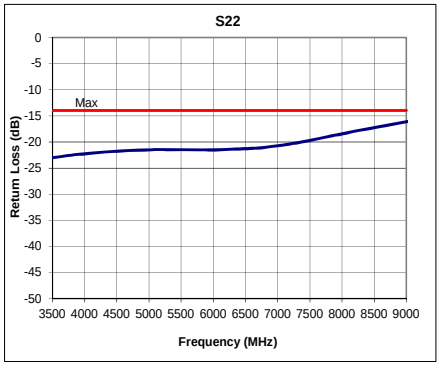












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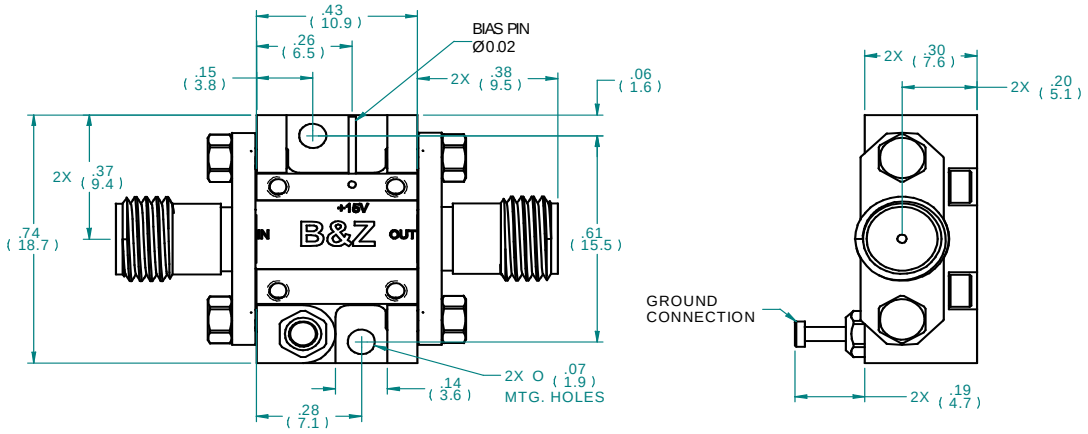
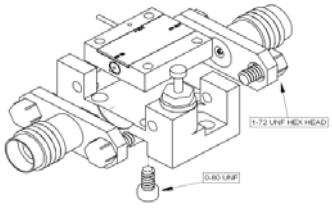
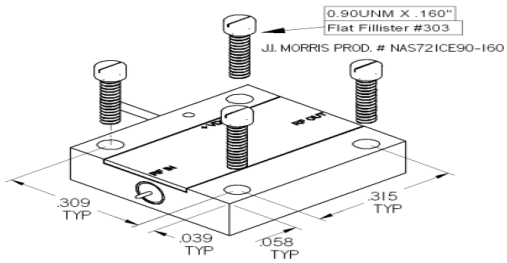


Approx. Actual Size

Mounting Drawing



Drop In



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