

CLN-0.5G2G-2808-S is a Low Noise Amplifier providing a gain of 28 dB with a noise figure of 0.8 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- 0.5 to 2.0 GHz Frequency Range
- Maximum N.F. 0.8 dB
- Gain 28 dB Min
- Gain Flatness $\leq \pm 1.0$ dB
- SMA female connector I/O

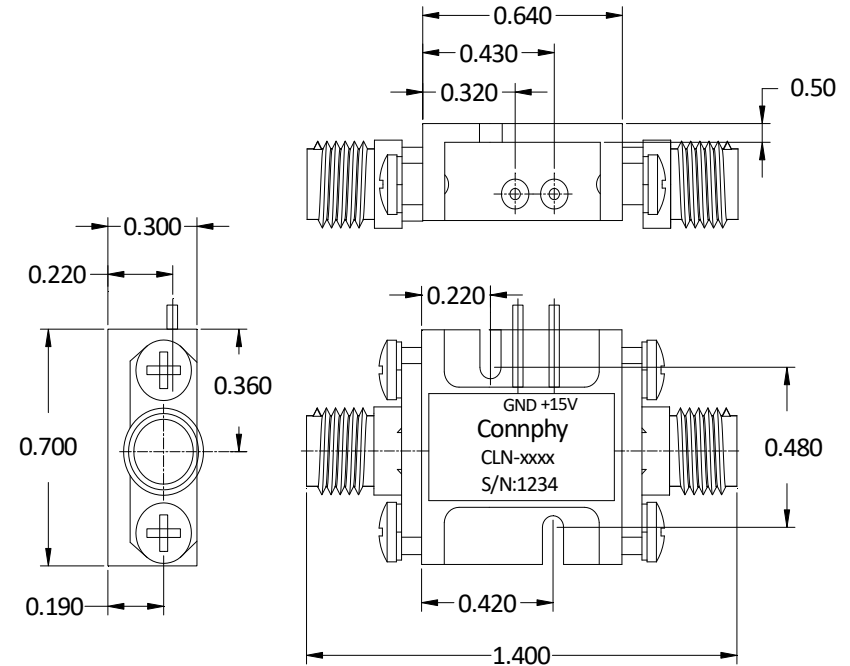
Specifications:


Frequency:	0.5-2.0 GHz
Gain:	28 dB Min
Gain Flatness:	± 1.0 dB Max
Noise Figure:	0.8 dB Max
Output P1dB:	15 dBm Min
VSWR Input:	2.0:1 Max
VSWR Output:	2.0:1 Max
DC Voltage:	+15 V Typ
DC Supply Current:	105 mA Typ
RF Input Power:	15 dBm Max

Environmental Ratings:

Temperature:	-40°C to +75 °C Operating
	-55 °C to +125 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

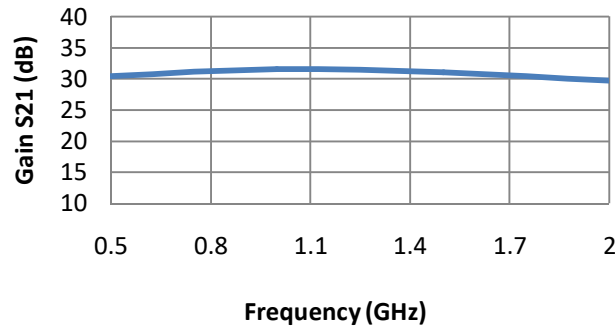
Mechanical Outline(Inches):



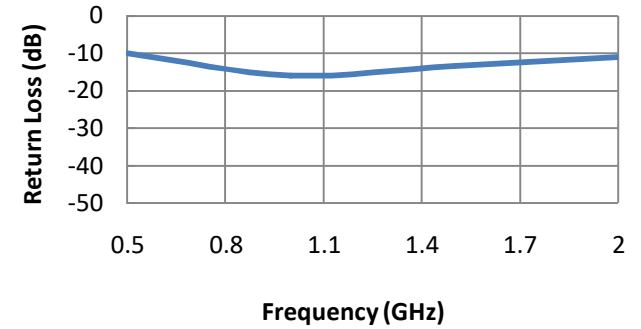
Low Noise Amplifier CLN-0.5G2G-2808-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

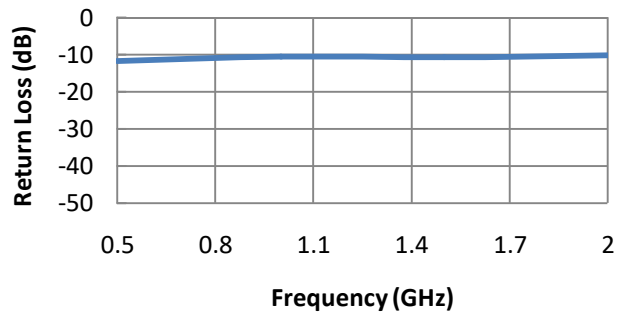
Gain S21



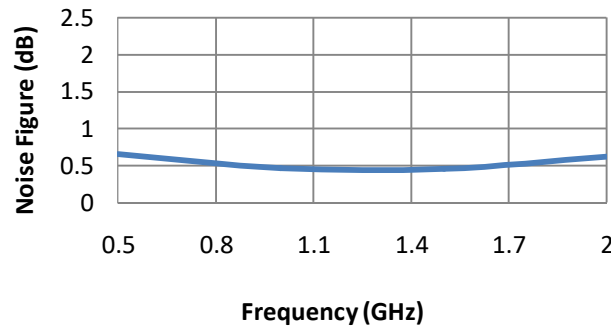
S11



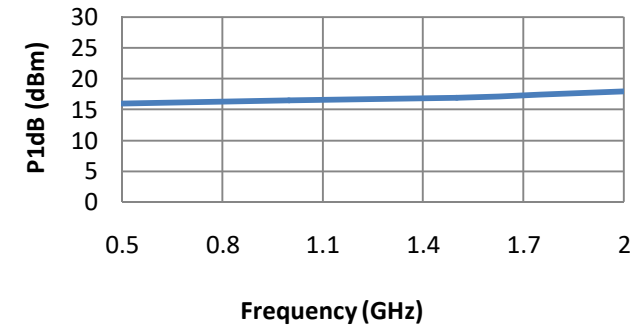
S22



Noise Figure



Output P1dB




Note: Test data taken with case temperature of +23 °C

Environmental Ratings:

Temperature:	-40°C to +75 °C Operating -55 °C to +125 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

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DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.