

CLN-1G2G-4505-S is a Low Noise Amplifier providing a gain of 45 dB with a noise figure of 0.5 dB. The compact size and modularity makes it ideal for a wide range of applications.

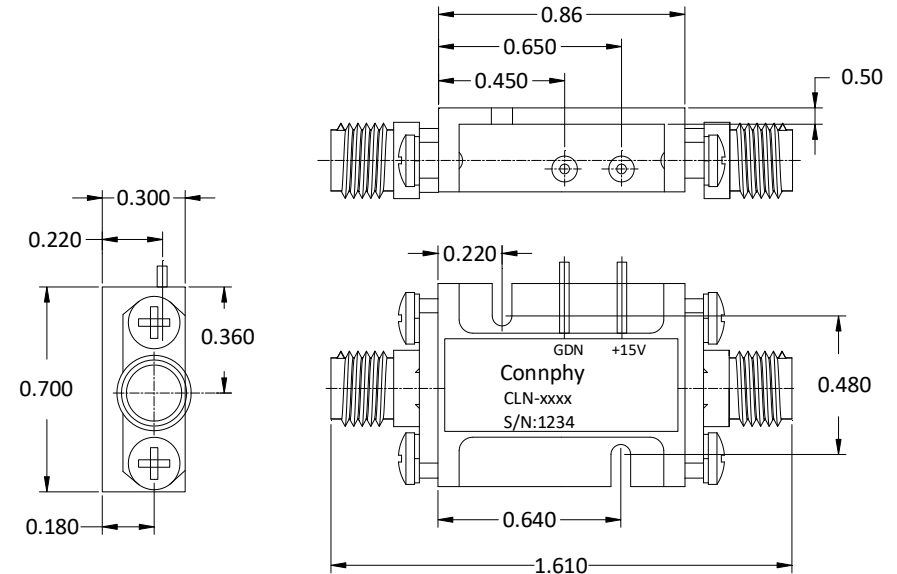
Features:

- Frequency Range: 1.0-2.0 GHz
- Gain: 45 dB min.
- Noise Figure: 0.5 dB max.
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

Specifications:


Frequency:	1.0-2.0 GHz
Gain:	45 dB Min
Gain Flatness:	±1.0 dB Max
Noise Figure:	0.5 dB Max
Output P1dB:	13 dBm Min
VSWR Input:	2.0:1 Max
VSWR Output:	2.0:1 Max
DC Voltage:	+15 V Typ
DC Supply Current:	205 mA Typ
RF Connector:	SMA Female
RF Input Power:	15 dBm Max

Mechanical Outline(Inches):



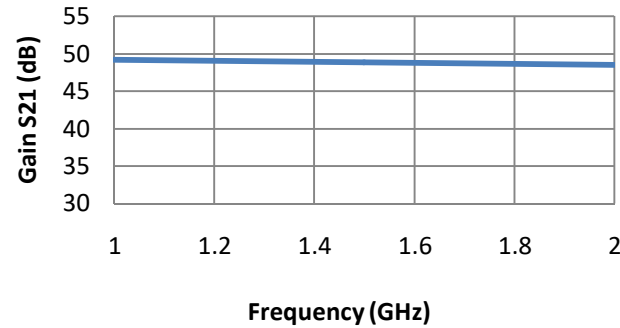
Environmental Ratings:

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

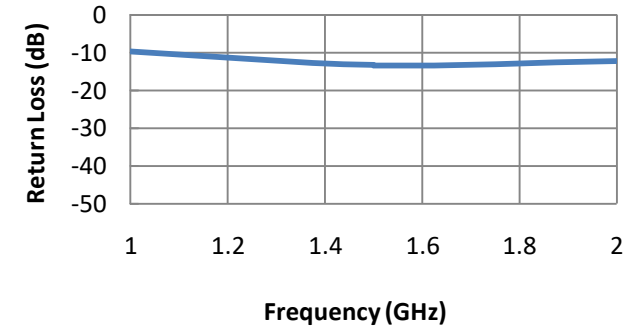
Low Noise Amplifier CLN-1G2G-4505-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

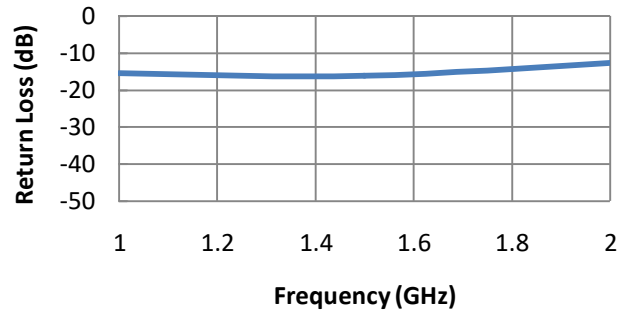
Gain S21



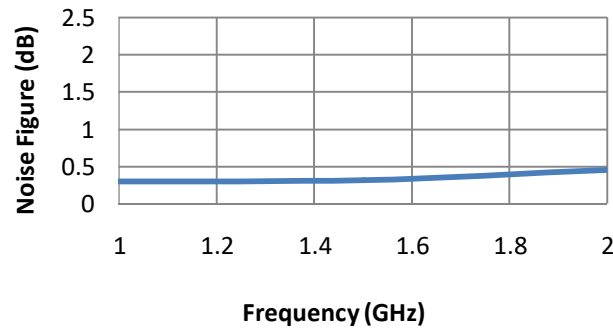
S11



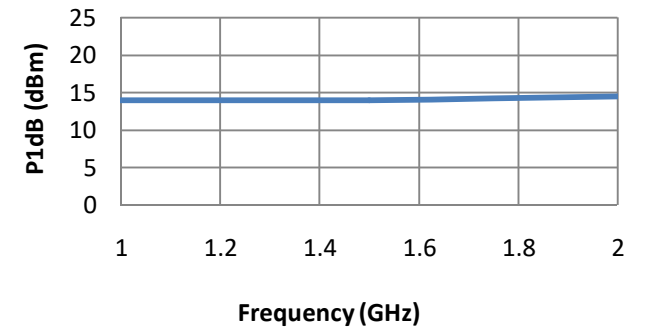
S22



Noise Figure



Output P1dB



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

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CHECKRD:	DATE: 14/05/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.