

**CLN-2G8G-4012-S** is a Low Noise Amplifier providing a gain of 40 dB with a noise figure of 1.2 dB. The compact size and modularity makes it ideal for a wide range of applications.

**Features:**

- Frequency Range: 2.0-8.0 GHz
- Gain: 40 dB min.
- Noise Figure: 1.2 dB max.
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

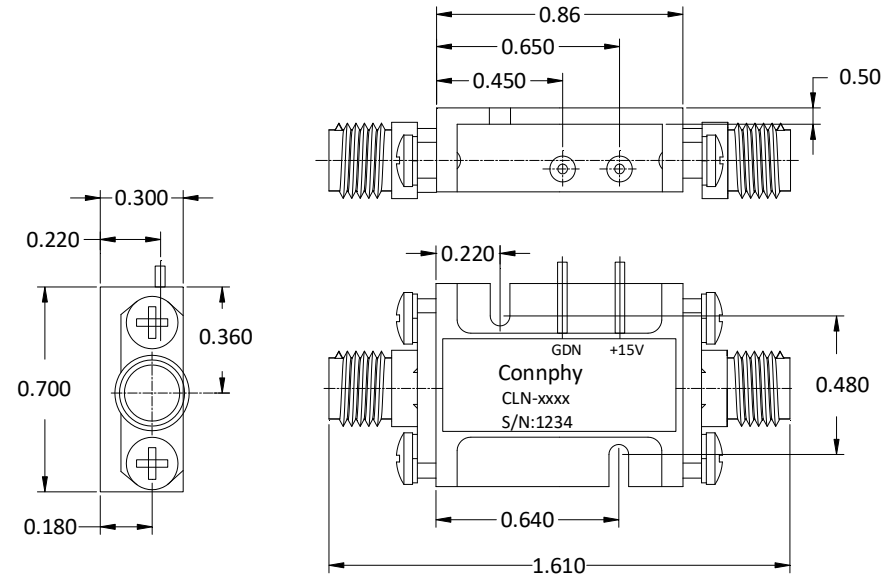
**Specifications:**


Frequency:	2.0-8.0 GHz
Gain:	40 dB Min
Gain Flatness:	±1.5 dB Max
Noise Figure:	1.2 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:	230 mA Typ
RF Connector:	SMA Female
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-2G8G-4012-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.