

**CLN-8G12G-4010-S** is a Low Noise Amplifier providing a gain of 40 dB with a noise figure of 1.0 dB. The compact size and modularity makes it ideal for a wide range of applications.

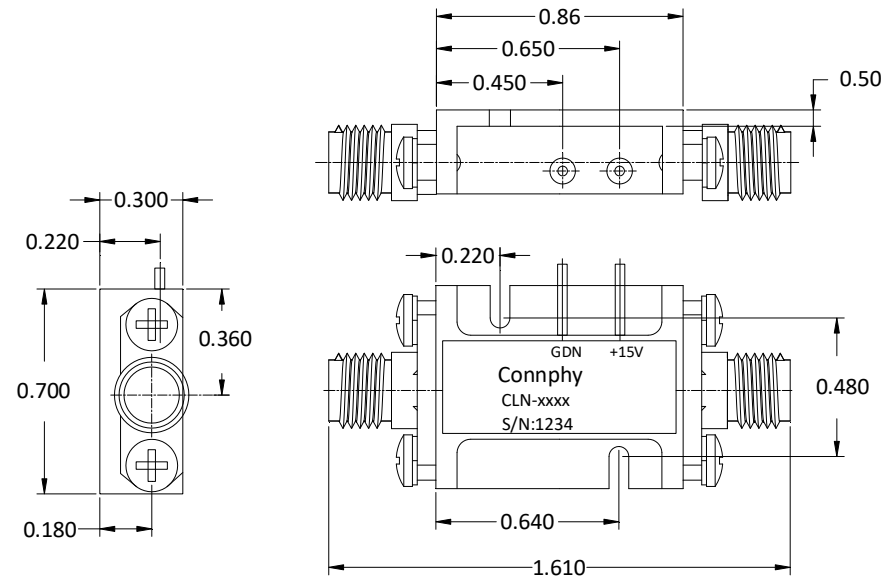
**Features:**

- Frequency Range: 8.0-12.0 GHz
- Gain: 40 dB min.
- Noise Figure: 1.0 dB max.
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

**Specifications:**


Frequency:	8.0-12.0 GHz
Gain:	40 dB Min
Gain Flatness:	± 1.8 dB Max
Noise Figure:	1.0 dB Max
Output P1dB:	20 dBm Min
VSWR Input:	2.0:1 Max
VSWR Output:	2.0:1 Max
DC Voltage:	+15V DC Typ
DC Supply Current:	270 mA Max
RF Connector:	SMA female

**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-8G12G-4010-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.