

CLN-12G18G-2022-S is a Low Noise Amplifier providing a gain of 20 dB with a noise figure of 2.2 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range: 12.0-18.0 GHz
- Gain: 20 dB Min
- Noise Figure: 2.2 dB Max
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

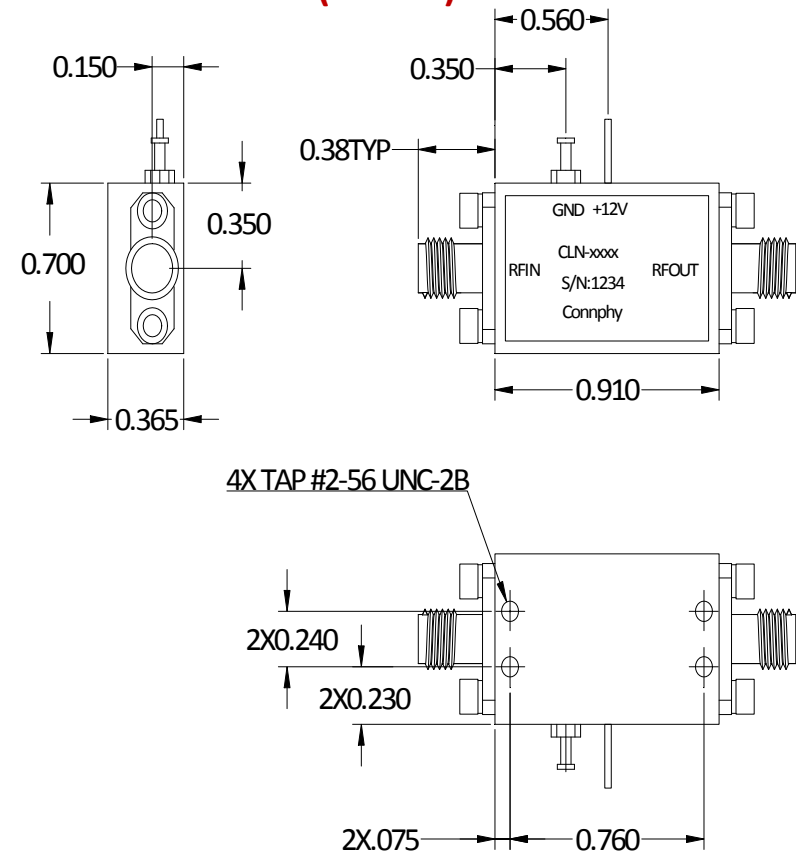
Specifications:

Frequency:	12.0-18.0 GHz
Gain:	20 dB Min
Gain Flatness:	±1.5 dB Max
Noise Figure:	2.2 dB Max
Output P1dB:	10 dBm Min
Output IP3:	20 dBm Typ
VSWR Input:	2.2:1 Max
VSWR Output:	2.2:1 Max
DC Voltage:	+9 V to +15 V
DC Supply Current:	150 mA Max
RF Connector:	SMA female

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-12G18G-2022-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.