

CLN-18G40G-4130-K is a Low Noise Amplifier providing a gain of 41 dB with a noise figure of 3 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range: 18.0 - 40.0 GHz
- Gain: 41 dB Typ
- Noise Figure: 3.0 dB Typ.
- Unconditionally Stable

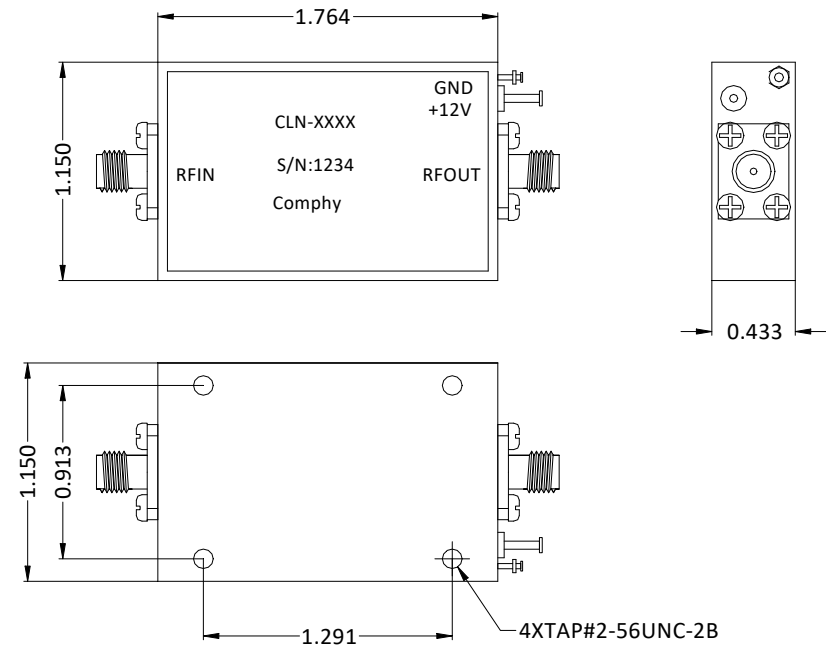
Specifications:


Frequency:	18.0 GHz to 40 GHz
Gain:	41 dB Typ, 37 dB Min
Gain Flatness:	±3.0 dB Typ
Noise Figure:	3.0 dB Typ, 3.5 dB Max
Output P1dB:	12 dBm Typ, 8 dBm Min
VSWR Input:	2.5:1 Max
VSWR Output:	2.5:1 Max
DC Voltage:	+11 to +16V DC
DC Supply Current:	200 mA Typ
RF Connector:	2.92mm female
RF Input Power:	10 dBm Max

Environmental Ratings:

Temperature:	-40°C to +70 °C Operating -55 °C to +85 °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

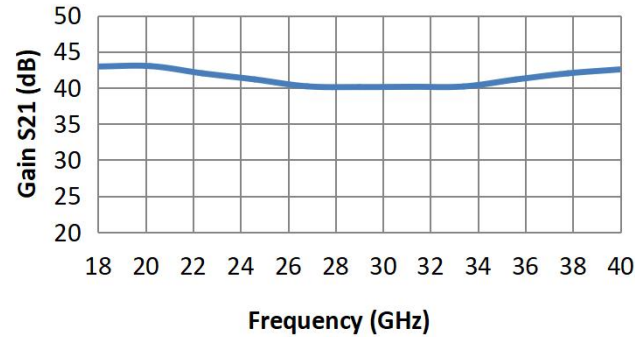
Mechanical Outline(Inches):



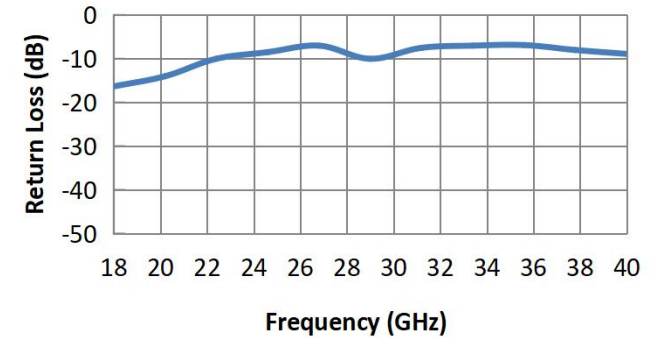
Low Noise Amplifier CLN-18G40G-4130-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 15/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

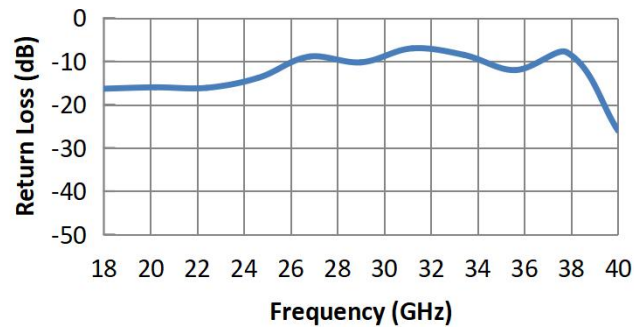
Gain S21



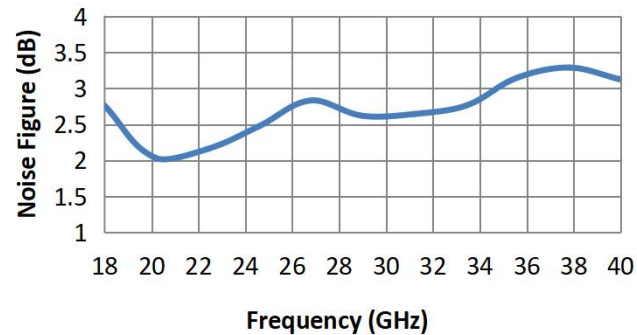
S11



S22



Noise Figure



Note: 1, Test data taken with case temperature of +23 °c.


2, The device is static sensitive. Always follow ESD rules when working with the device.

3, Must use heat sink if case temperature exceeds 50 °c.

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Temperature:	-40°C to +70 °C Operating -55 °C to +85 °C Non-Operating
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Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

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