

CLN-1G40G-4065-K is a Low Noise Amplifier providing a gain of 40 dB with a noise figure of 6.5 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range:1.0-40.0 GHz
- Gain: 40 dB Min
- Noise Figure: 6.5 dB Max
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

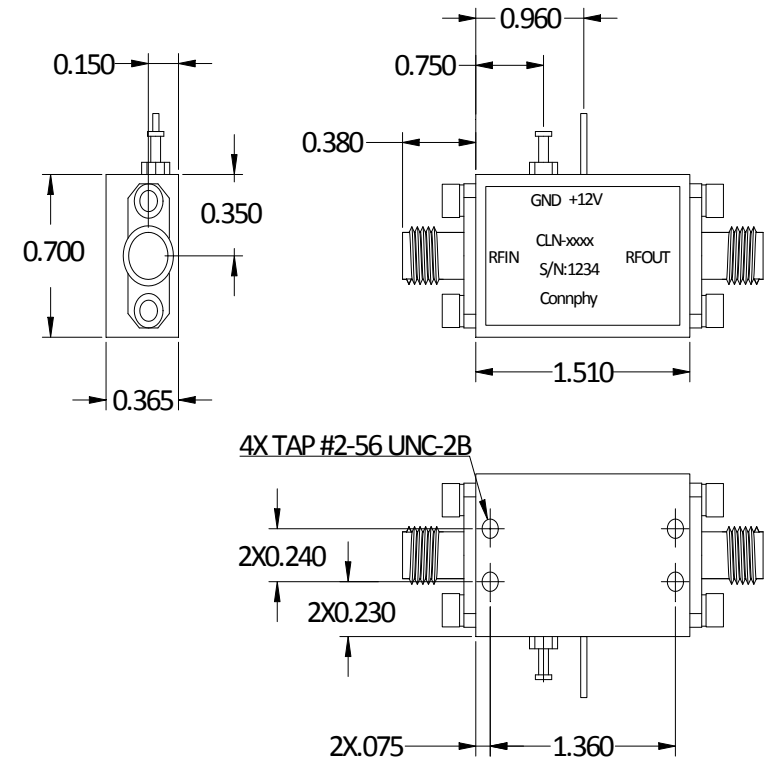
Specifications:


Frequency:	1.0-40.0 GHz
Gain:	40dB Min
Gain Flatness:	±3.3 dB Max
Noise Figure:	6.5 dB Max
Output P1dB:	10 dBm Min
Output IP3:	15 dBm Typ
VSWR Input:	2.5:1 Max
VSWR Output:	2.5:1 Max
DC Voltage:	+9 V to +15 V DC
DC Supply Current:	300 mA Typ
RF Connector:	2.92mm 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

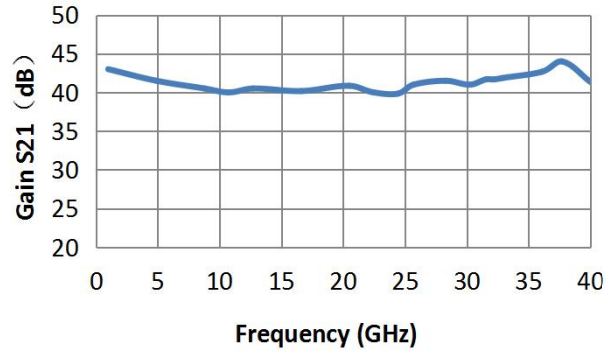
Mechanical Outline(Inches):



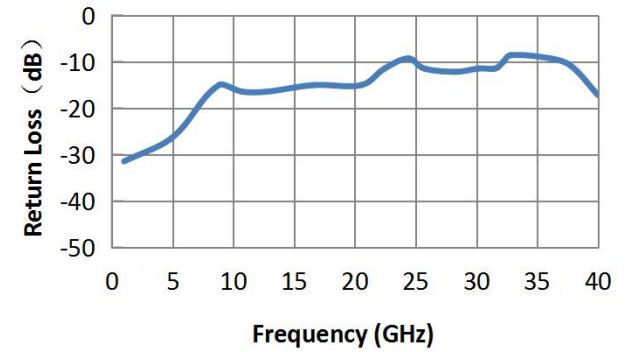
Low Noise Amplifier CLN-1G40G-4065-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

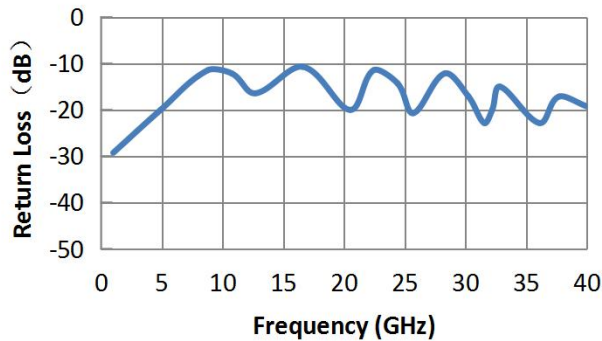
Gain S21



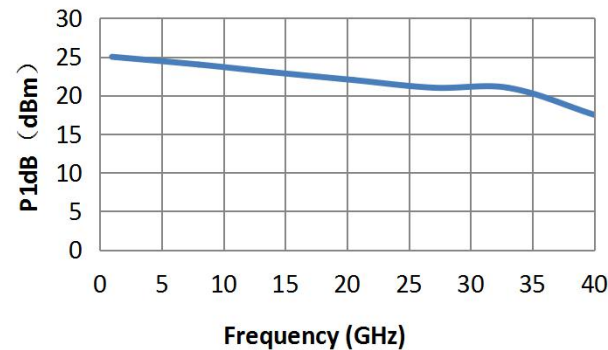
S11



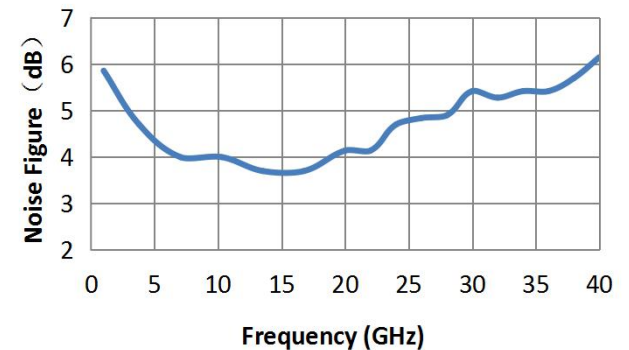
S22



Output P1dB



Noise Figure




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

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

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