

CLN-0.1G6G-4213-S is a Low Noise Amplifier providing a gain of 42 dB with a noise figure of 1.3 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range: 0.1-6.0 GHz
- Gain: 42 dB Min
- Noise Figure: 1.3 dB Max
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

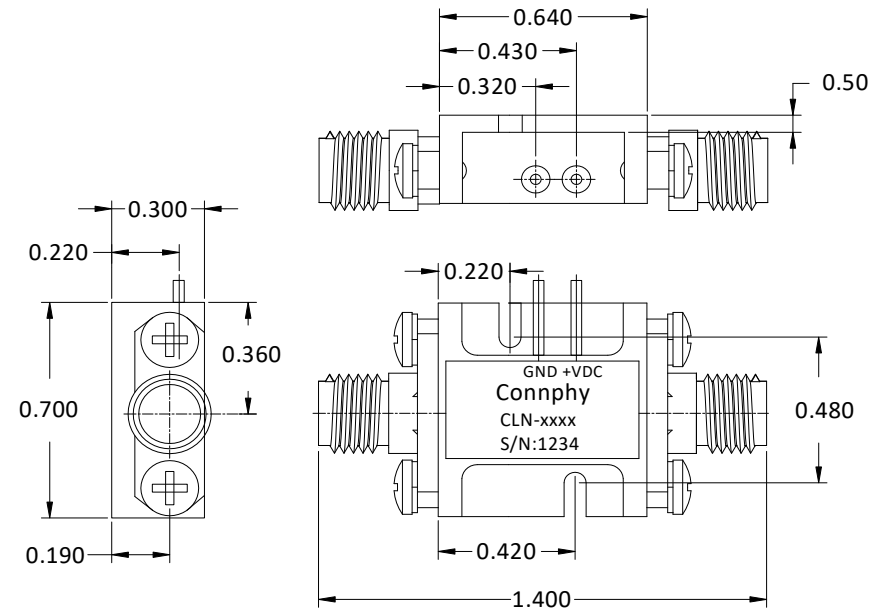
Specifications:


Frequency:	0.1-6.0 GHz
Gain:	42 dB Min
Gain Flatness:	±1.0 dB Max
Noise Figure:	1.3 dB Max
Output P1dB:	+10 dBm Min
VSWR Input:	2.0:1 Max
VSWR Output:	2.0:1 Max
DC Voltage:	+15 V Typ
DC Supply Current:	200 mA Typ
RF Connector:	SMA Female
RF CW Input:	+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

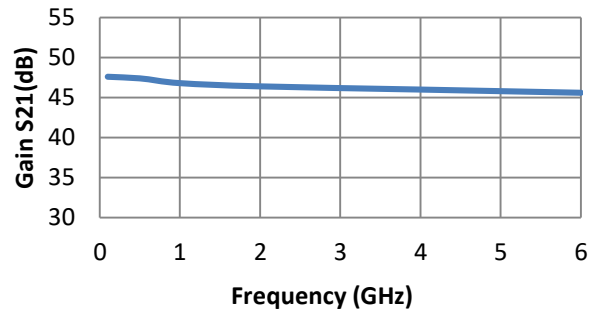
Mechanical Outline(Inches):



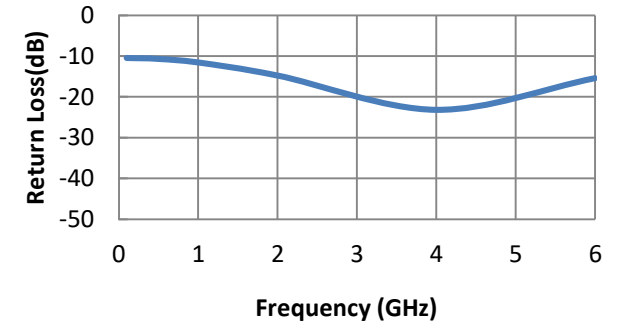
Low Noise Amplifier CLN-0.1G6G-4213-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

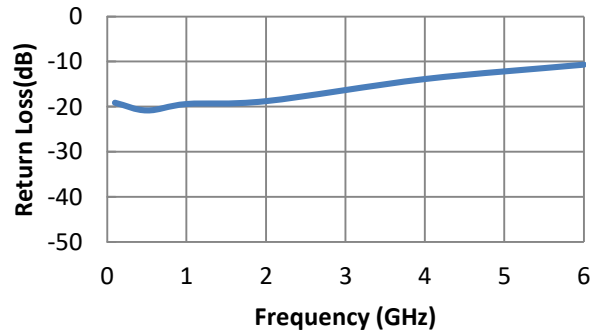
Gain S21



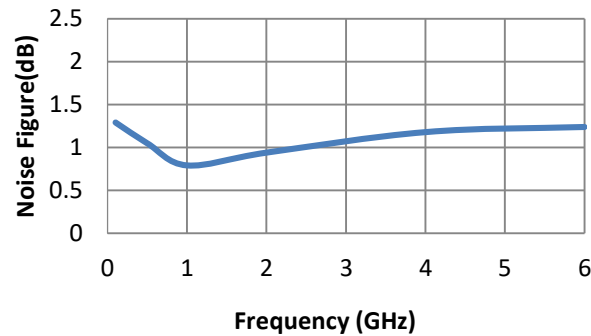
S11



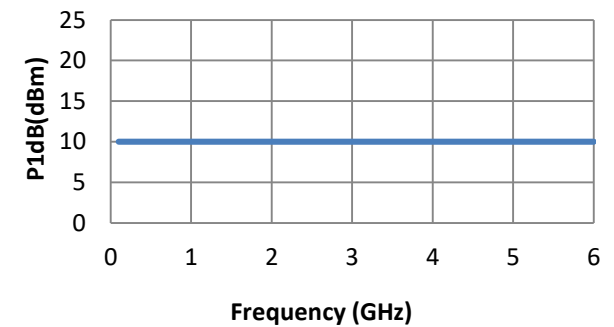
S22



Noise Figure



Output P1dB



Note: 1, Test data taken with case temperature of +23 °c
 2, Must use heat sink if case temperature exceeds 50 °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

Low Noise Amplifier CLN-0.1G6G-4213-S			
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.