CLN-0.5G6G-2810-S is a Low Noise Amplifier providing a gain of 28dB with a noise figure of 1.0 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- 0.5 to 6.0 GHz Frequency Range (usable to 100 MHz)
- Reverse Voltage Protection
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

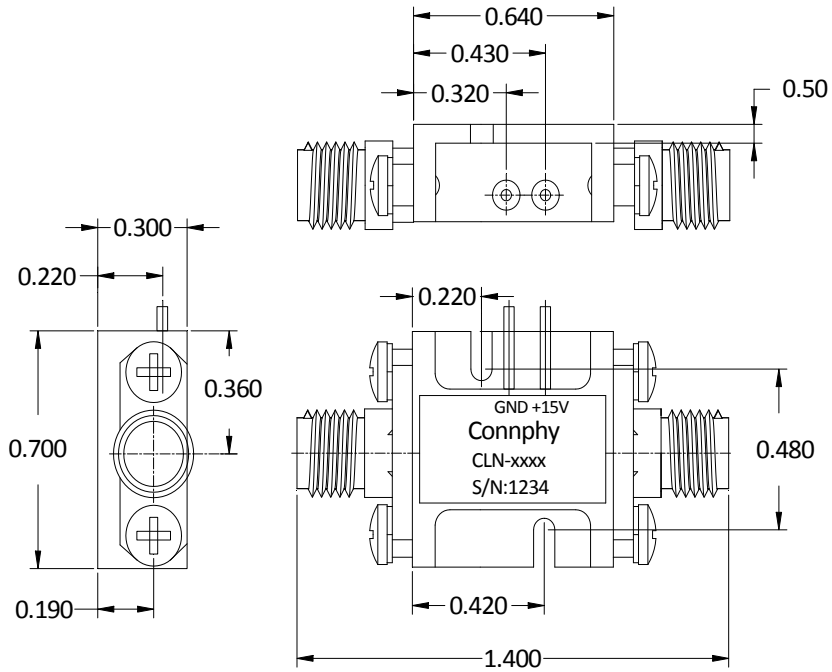
Specifications:

Frequency:	0.5- 6.0 GHz
Gain:	28 dB Min
Gain Flatness:	± 1.0 dB Max
Noise Figure:	1.0 dB Max
Output P1dB:	10 dBm Min
VSWR Input:	2.2:1 Max
VSWR Output:	2.2:1 Max
DC Voltage:	+15 V Typ
DC Supply Current:	125 mA Max
RF Connector:	SMA female

Environmental Ratings:

Temperature:	-40ºC to +75 ºC Operating
	-55 ºC to +125 ºC 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):

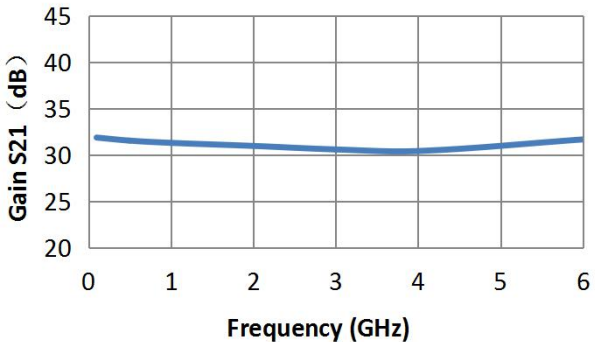


Ultra-Wideband Super Low Noise Amplifier
CLN-0.5G6G-2810-S

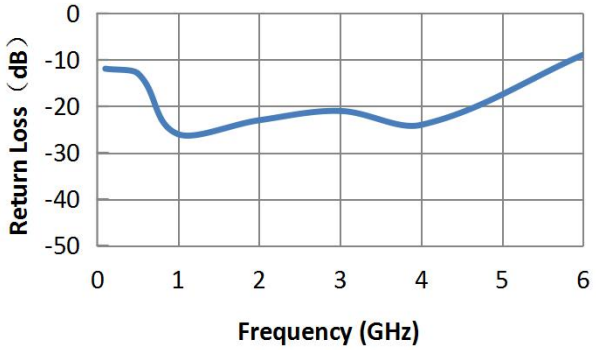
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	CONNPHY Microwave Inc.
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	www.connphy.com sales@connphy.com
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

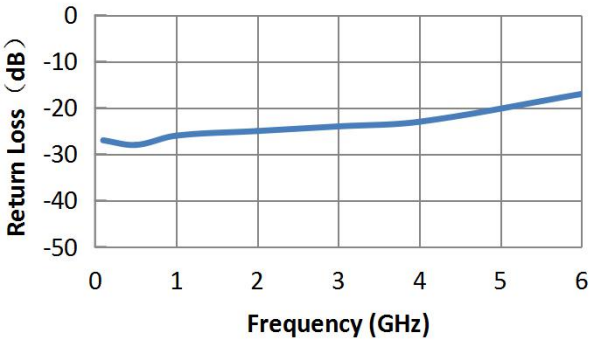
Gain S21



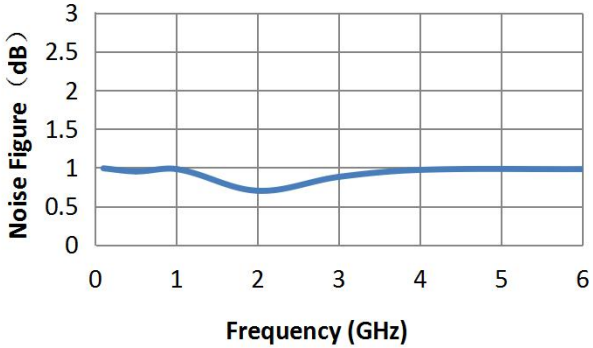
S11



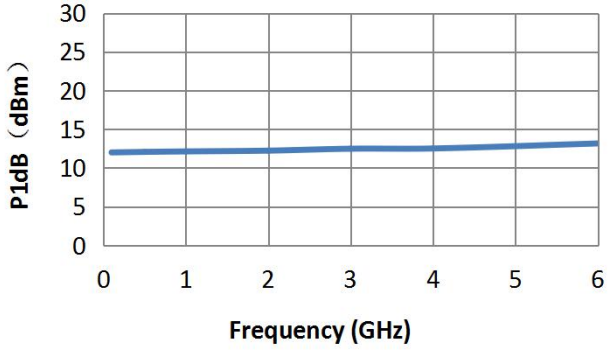
S22



Noise Figure



Output P1dB



Note: Test data taken with case temperature of +23 ºC

Environmental Ratings:

Temperature:	-40ºC to +75 ºC Operating
	-55 ºC to +125 ºC 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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CLN-0.5G6G-2810-S

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