

**CLN-0.5G18G-3425-S** is a Low Noise Amplifier providing a gain of 34dB with a noise figure of 2.5 dB. The compact size and modularity makes it ideal for a wide range of applications.

**Features:**

- Frequency Range: 0.5-18 GHz
- Gain: 34 dB Min
- Noise Figure: 3.5 dB Max
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

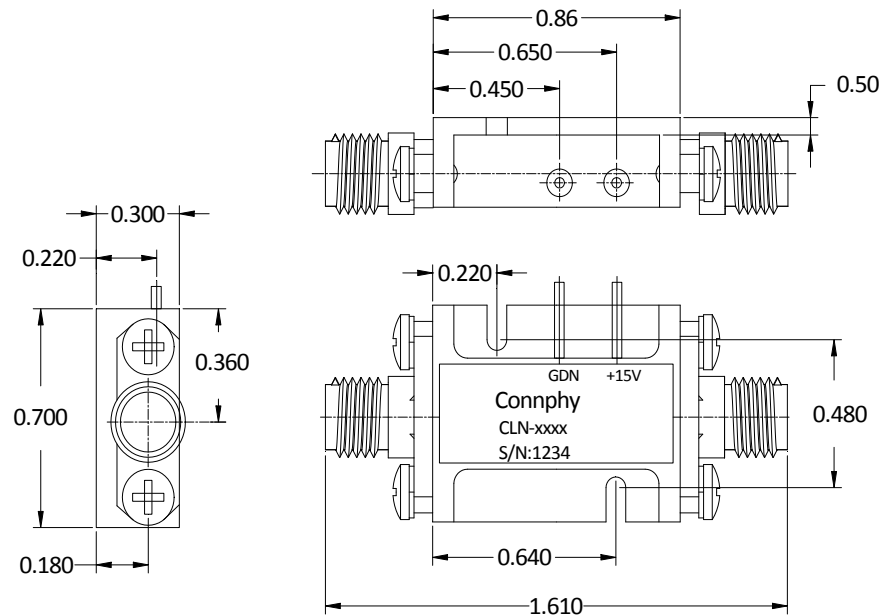
**Specifications:**


Frequency:	0.5- 18.0 GHz
Gain:	36 dB Typ, 33 dB Min
Gain Flatness:	±3.0 dB Max
Noise Figure:	2.5 dB Typ, 3.5dB Max
Output P1dB:	23 dBm Min
Output IP3:	31 dBm Typ
VSWR Input:	2.5:1 Max
VSWR Output:	2.5:1 Max
DC Voltage:	+12 V to +15 V DC
DC Supply Current:	475 mA Typ
RF Connector:	SMA Female

**Environmental Ratings:**

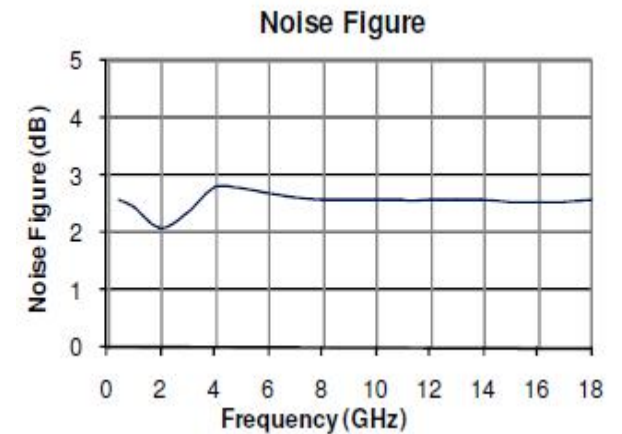
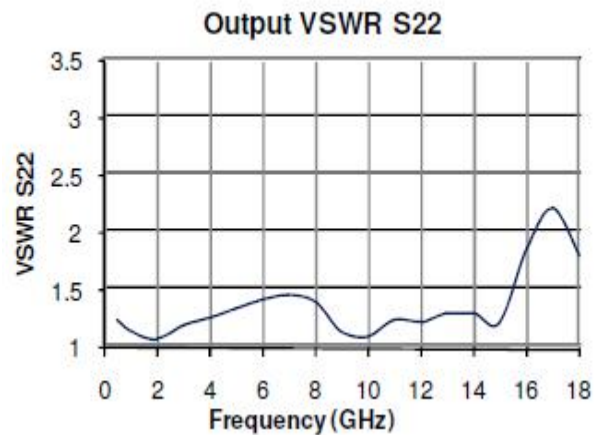
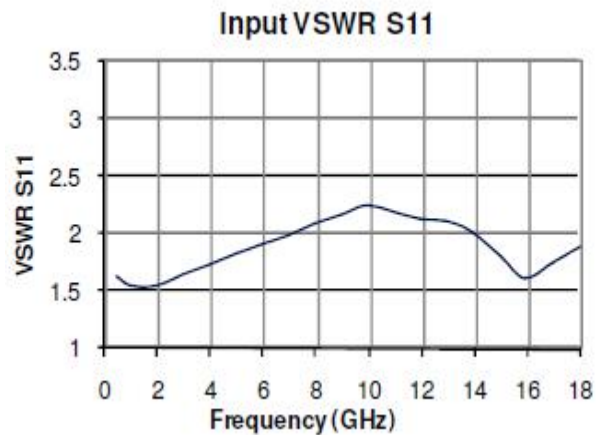
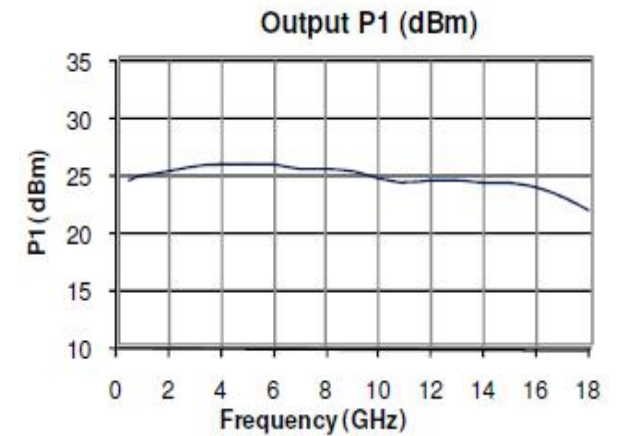
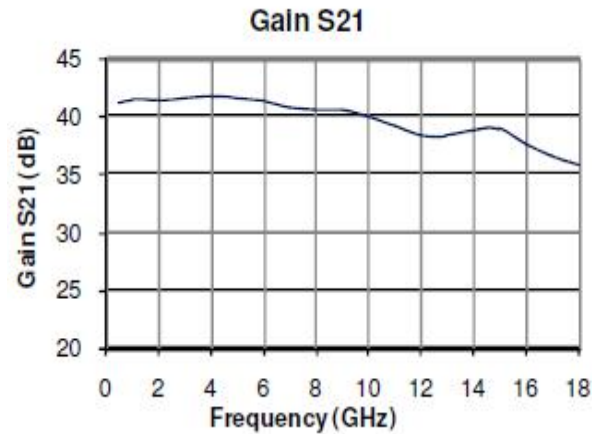
Temperature:	-40°C to +75 °C Operating -55 °C to +125 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

**Mechanical Outline(Inches):**



Low Noise Amplifier CLN-0.5G18G-3425-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
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:



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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CHECKRD:	DATE: 14/05/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.