

CLC-9K3G-3225-S is a Low Noise Amplifier providing a gain of 32 dB 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: 9 KHz- 3.0 GHz
- Gain: 32 dB min.
- Noise Figure: 3.0 dB max.
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

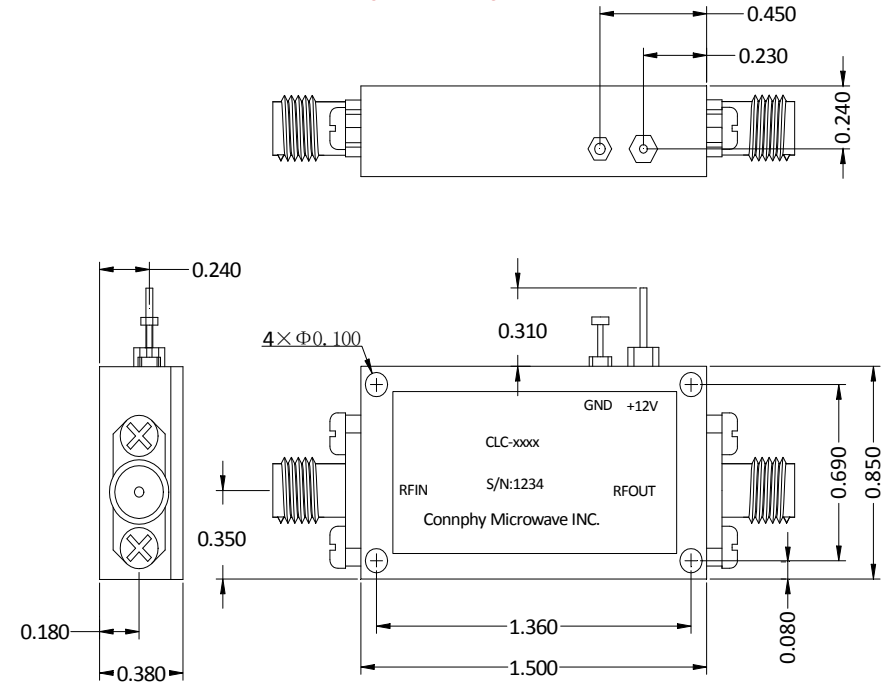
Specifications:


Frequency: 9 KHz- 3.0 GHz
 Gain: 32 dB Min
 Gain Flatness: ±1.25 dB Typ, ± 1.5 dB Max
 Noise Figure: 2.5 dB Typ, 3.0 dB Max
 Output P1dB: 15 dBm Min
 VSWR Input: 1.6:1 Typ, 2.0:1 Max
 VSWR Output: 1.8:1 Typ, 2.5:1 Max
 Spurious: -60 dBc Max
 DC Voltage: +12 V DC Typ
 DC Supply Current: 110 mA Typ

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

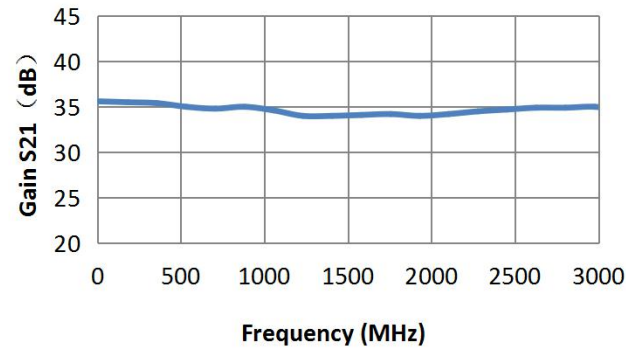
Mechanical Outline(Inches) :



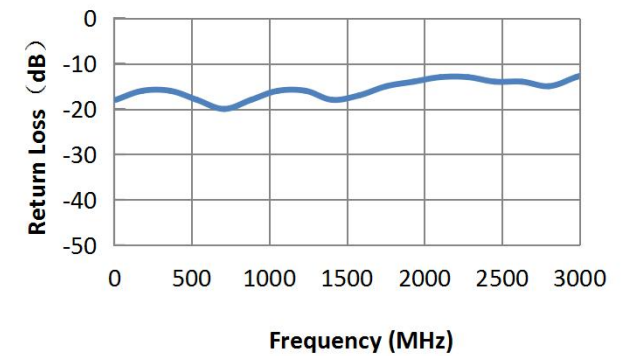
Low Noise Amplifier CLC-9K3G-3225-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

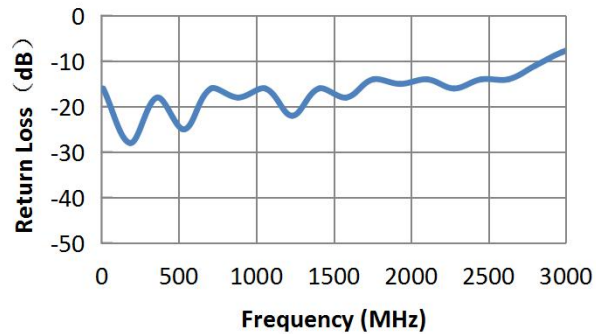
Gain S21



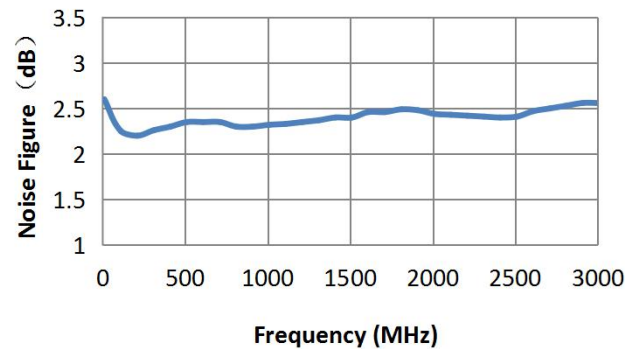
S11



S22



Noise Figure




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	
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