

**CLC-1G2.5G-3506-S** is a Low Noise Amplifier providing a gain of 35 dB with a noise figure of 0.6dB. The compact size and modularity makes it ideal for a wide range of applications.

**Features:**

- Broad band operation from 1.0 GHz to 2.5 GHz
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O

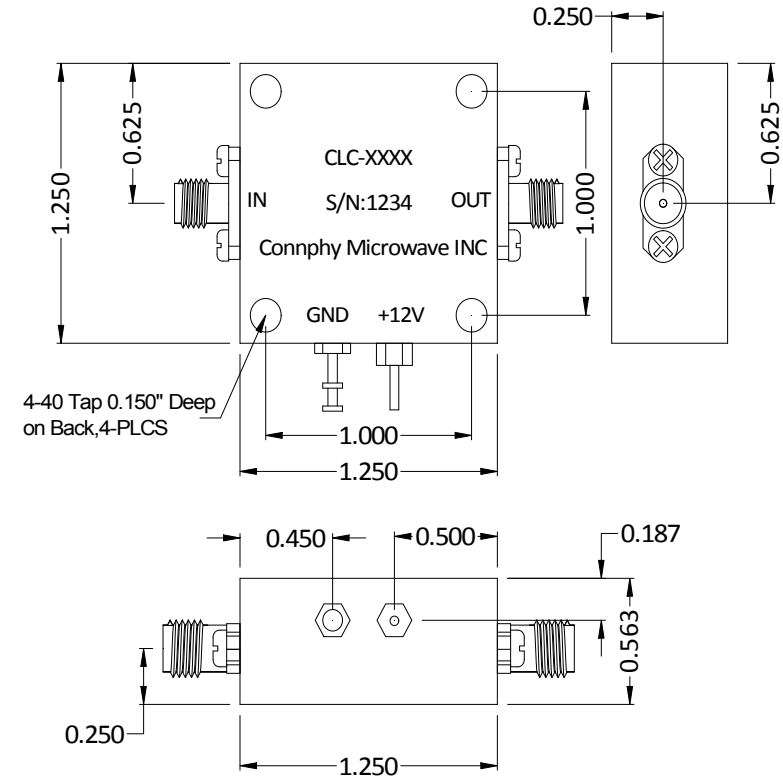
**Specifications:**


Frequency:	1.0-2.5 GHz
Gain:	35 dB Typ
Gain Flatness:	±0.6 dB Typ
Noise Figure:	0.6 dB Typ
Output P1dB:	25 dBm Typ
Output IP3:	38.5 dBm Typ
VSWR Input:	1.7:1 Typ
VSWR Output:	1.6:1 Typ
DC Voltage:	+12 V to +15 V DC
DC Supply Current:	230mA 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

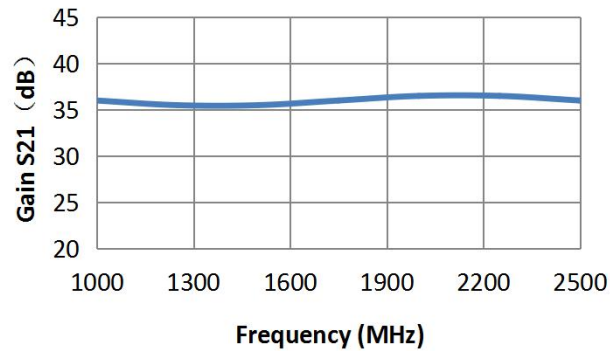
**Mechanical Outline(Inches) :**



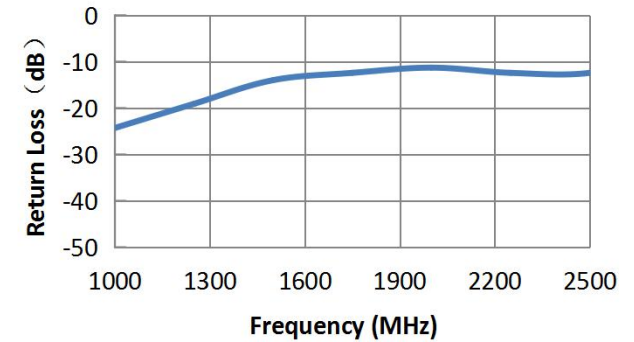
Low Noise Amplifier CLC-1G2.5G-3506-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
CHECKRD:	DATE: 24/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

## Typical Performance Data:

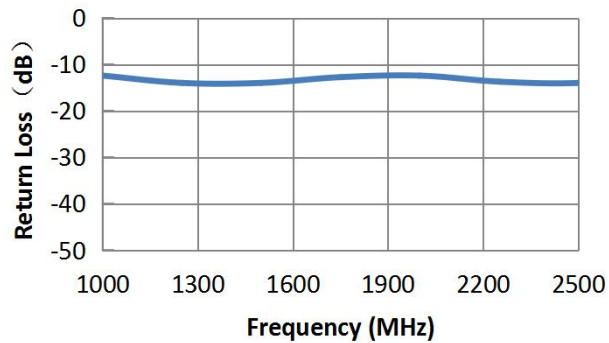
### Gain S21



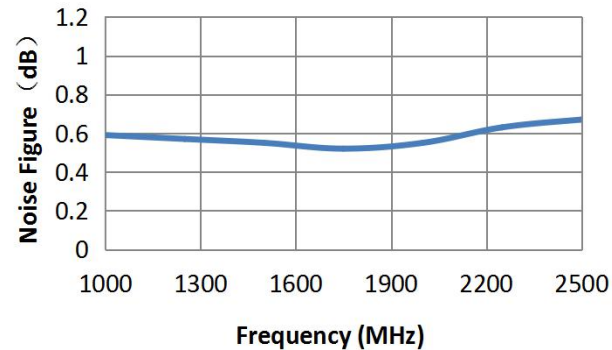
### S11



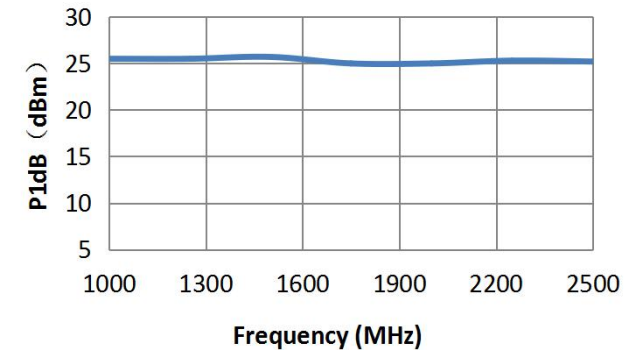
### S22



### Noise Figure



### Output P1dB




Note: 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: 24/05/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.