

CLC-10M1G-3010-S is a Low Noise Amplifier providing a gain of 30 dB with a noise figure of 1.0 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range:10 MHz-1.0 GHz
- Typical N.F. 1.0 dB
- Small size, low cost
- SMA female connector I/O

Specifications:

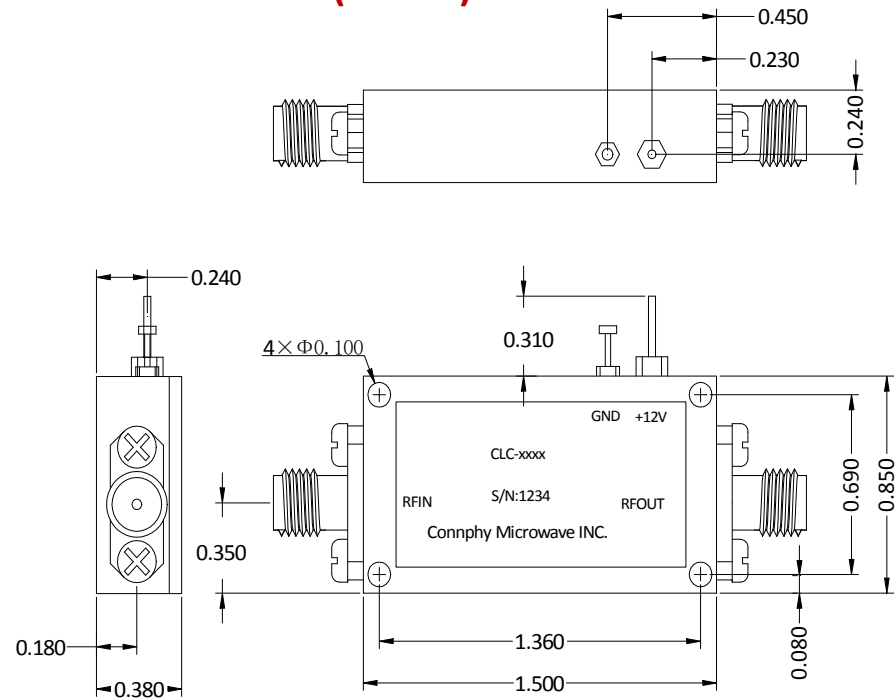
Frequency: 10 MHz- 1.0 GHz
 Gain: 30 dB Typ, 28 dB Min
 Gain Flatness: ± 0.7 dB Typ, ± 1.0 dB Max
 Noise Figure: 1.0 dB Typ, 1.2 dB Max
 Output P1dB: 16 dBm Min
 VSWR Input: 1.5:1 Max
 VSWR Output: 1.5:1 Max
 Spurious: -60 dBc
 DC Voltage: +9 V to +15 V DC
 DC Supply Current: 110 mA Typ


NOTE:Noise figures increase below 50 MHz

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

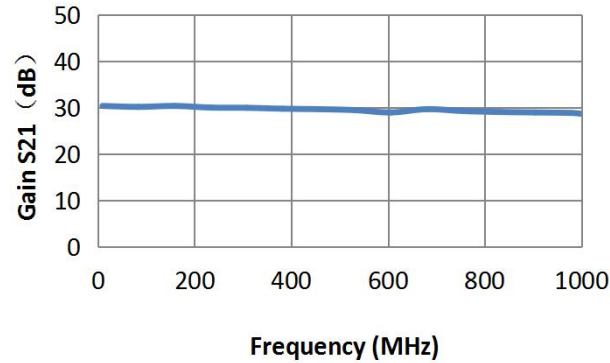
Mechanical Outline(Inches) :



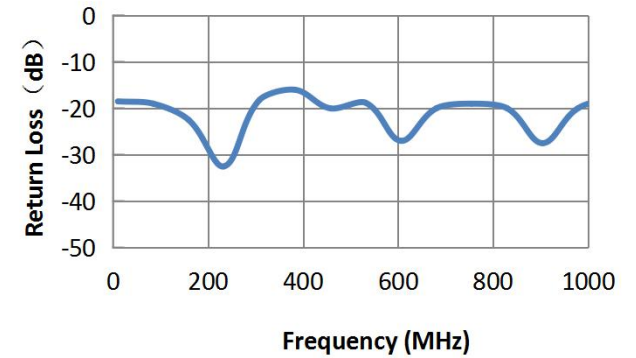
Low Noise Amplifier CLC-10M1G-3010-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

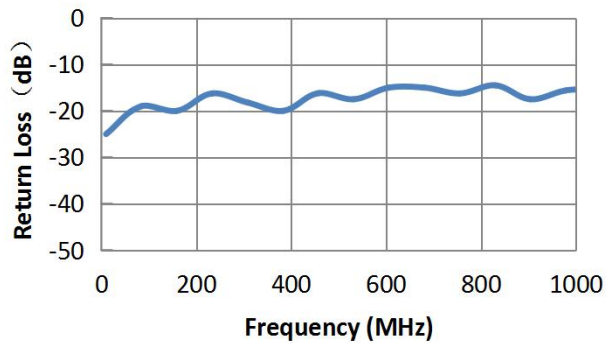
Gain S21



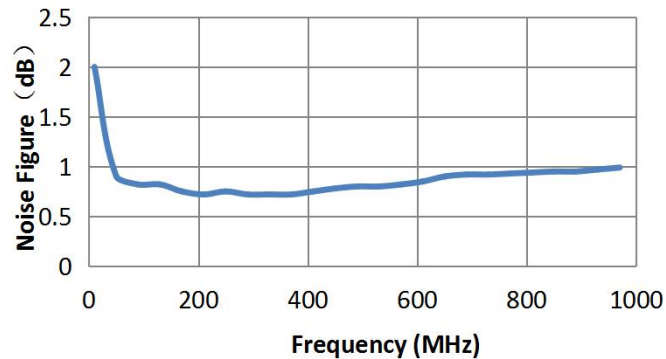
S11



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

Low Noise Amplifier CLC-10M1G-3010-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.