

CLC-10K0.5G-5510-S is a Low Noise Amplifier providing a gain of 55 dB with a noise figure of 1.0 dB. The compact size and modularity makes it ideal for a wide range of applications.

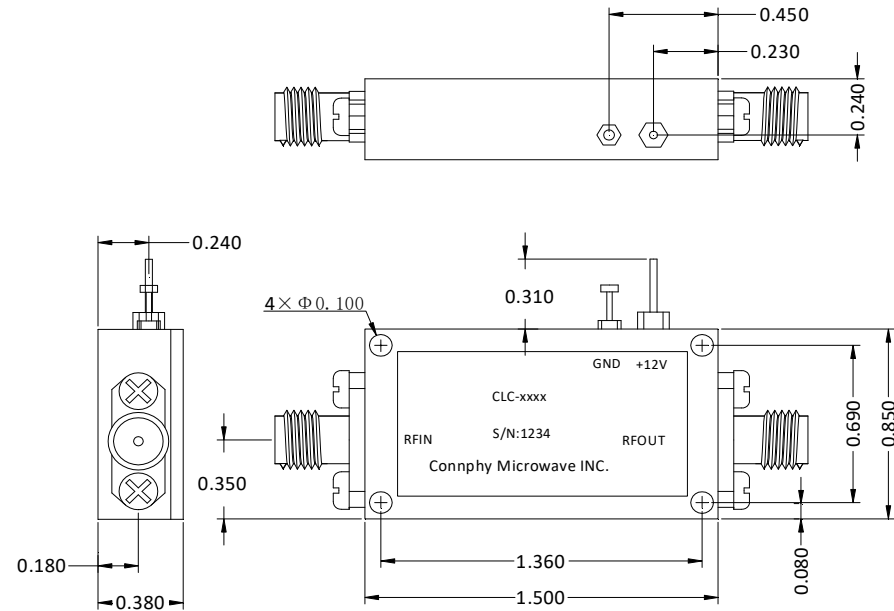
Features:

- Frequency Range: 10 KHz-500 MHz
- Gain: 55 dB Typ
- Noise Figure: 1.0 dB Typ
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

Specifications:

Frequency: 10 KHz-500 MHz
 Gain: 55 dB Typ, 53 dB Min
 Gain Flatness: ±1.0 dB Typ
 Noise Figure: 1.0 dB Typ, 1.5 dB Max
 Output P1dB: 16 dBm Typ, 15 dBm Min
 VSWR Input: 1.5:1 Typ, 2.0:1 Max
 VSWR Output: 1.6:1 Typ, 2.0:1 Max
 Reverse Isolation: 60 dB Min
 DC Voltage: +12 V DC Typ
 DC Supply Current: 110 mA Typ
 Max Input: 10 dBm Max

Mechanical Outline(Inches) :



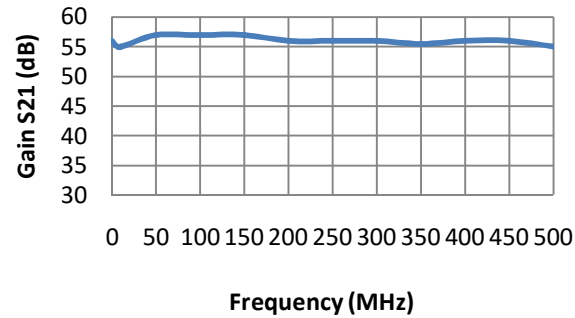
Environmental Ratings:

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

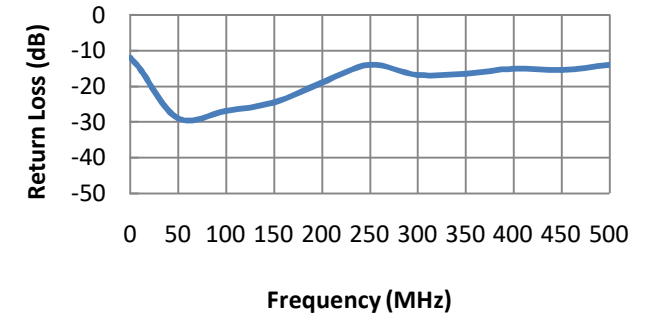
Low Noise Amplifier CLC-10K0.5G-5510-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

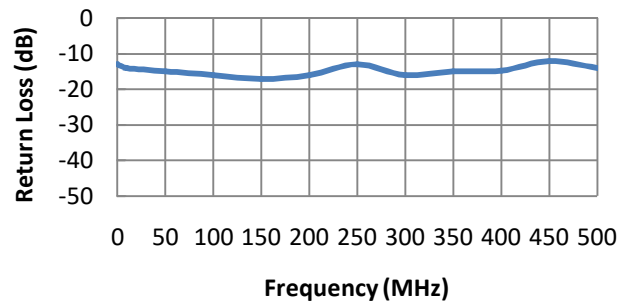
Gain S21



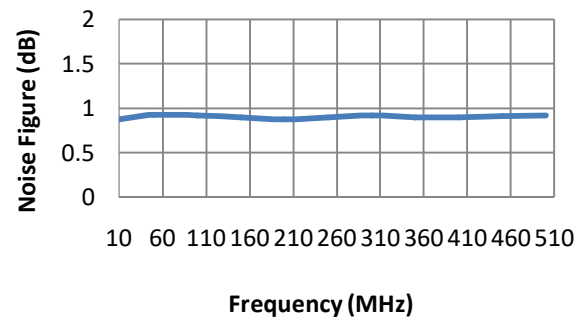
S11



S22



Noise Figure



Note: Test data taken with case temperature of +23 °C


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