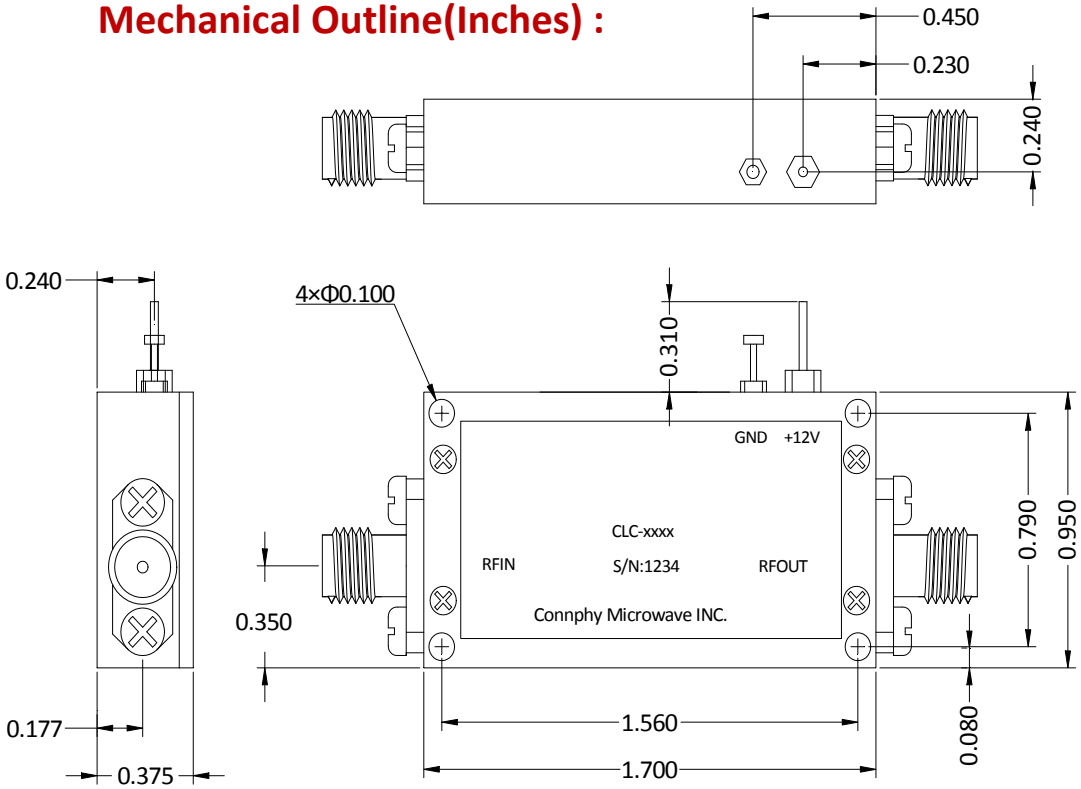
CLC-10M6G-3440-S is a Low Noise Amplifier providing a gain of 16 dB with a noise figure of 4.0 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Broad bandwidth from 10 MHz to 6 GHz
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O

Mechanical Outline(Inches) :



Specifications:

Frequency:	10.0 MHz- 6.0 GHz
Gain:	34 dB Typ, 30 dB Min
Gain Flatness:	±2.0 dB Typ, ± 2.5 dB Max
Noise Figure:	4.0 dB Typ, 4.7 dB Max
Output P1dB:	11 dBm Min
Output IP3:	22 dBm Min
VSWR Input:	1.5:1 Typ, 2.0:1 Max
VSWR Output:	1.5:1 Typ, 2.0:1 Max
DC Voltage:	+9.5 V to +15 V DC
DC Supply Current:	130 mA Typ

Environmental Ratings:

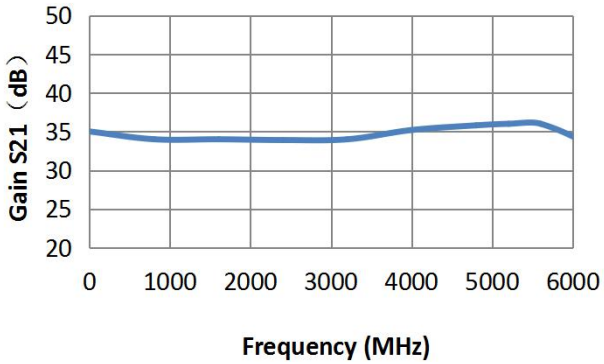
Temperature:	-40ºC to +85 ºC Operating
	-55 ºC to +125 ºC Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

Low Noise Amplifier
CLC-10M6G-3440-S

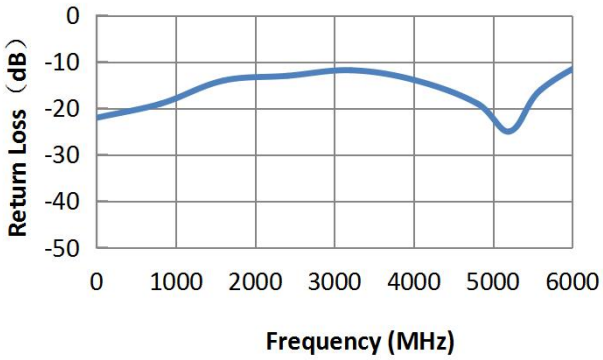
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	CONNPHY Microwave Inc. www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

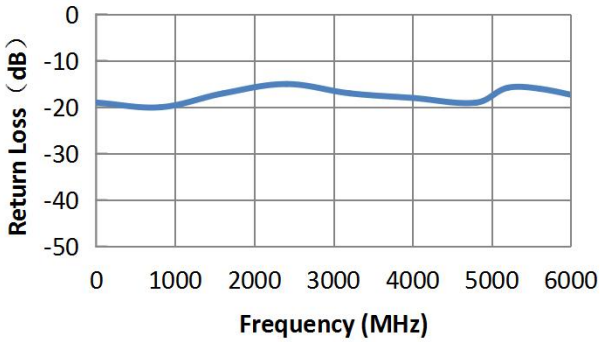
Gain S21



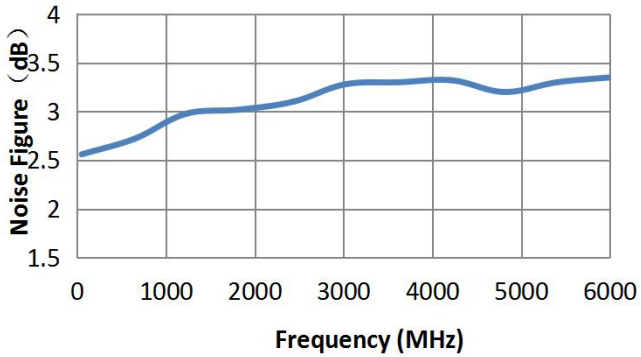
S11



S22



Noise Figure



Note: Test data taken with case temperature of +23 ºC

Environmental Ratings:

Temperature:	-40ºC to +75 ºC Operating
	-55 ºC to +125 ºC 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
CLN-10M6G-3440-S

DRAWN:	DWG NO.:	REV CODE: Rev.1.0	CONNPHY Microwave Inc.
CHECKRD:	DATE: 14/05/15	SHEET : 2 OF 2	www.connphy.com sales@connphy.com
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.