CLC-20M3G-2516-S is a Low Noise Amplifier providing a gain of 25 dB with a noise figure of 1.6 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range: 20 MHz- 3.0 GHz
- Gain: 22 dB Min
- Noise Figure: 1.8 dB Max
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

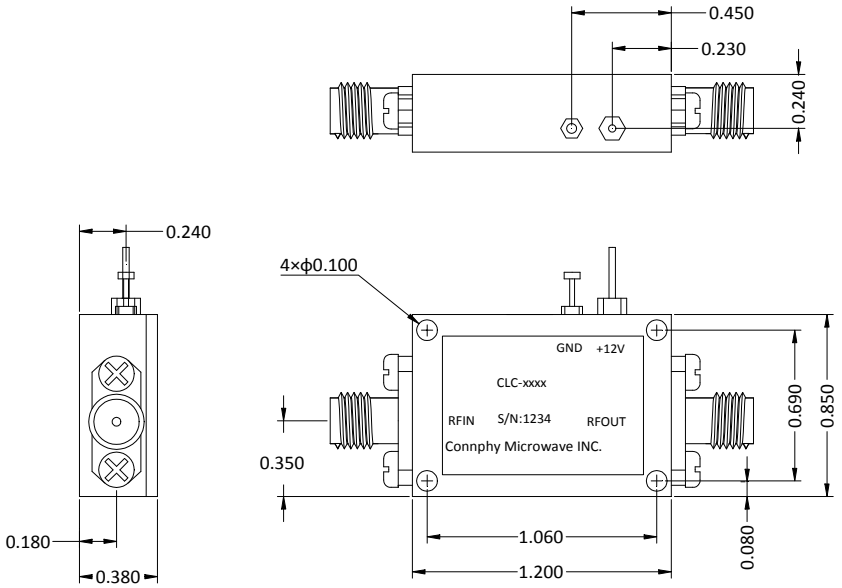
Specifications:

Frequency:	20 MHz- 3.0 GHz
Gain:	25 dB Typ, 22 dB Min
Gain Flatness:	± 0.75 dB Typ, ±1.0dB Max
Noise Figure:	1.6 dB Typ, 1.8 dB Max
Output P1dB:	12 dBm Min
Output IP3:	23 dBm Typ
VSWR Input:	1.5:1 Typ, 1.8:1 Max
VSWR Output:	1.5:1 Typ, 1.8:1 Max
DC Voltage:	+10 to +15 V DC
DC Supply Current:	75 mA Typ
RF Connector:	SMA Female

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

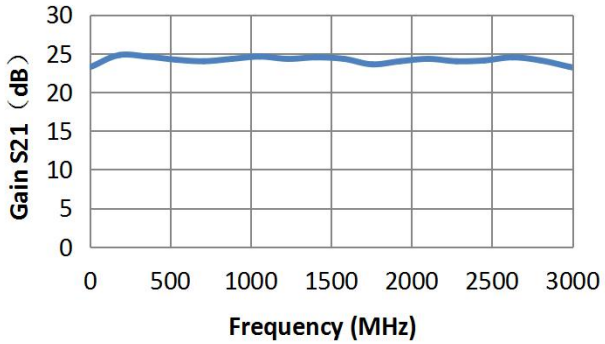
Mechanical Outline(Inches):



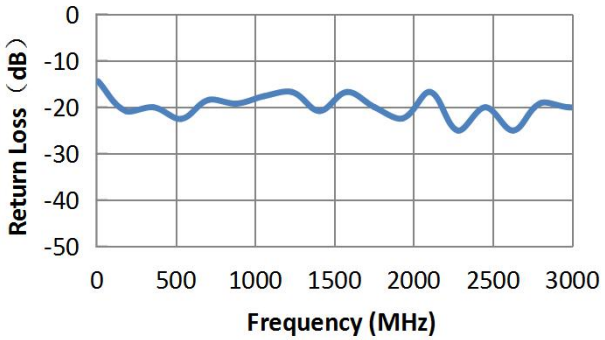
Low Noise Amplifier CLC-20M3G-2516-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	CONNPHY Microwave Inc. www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

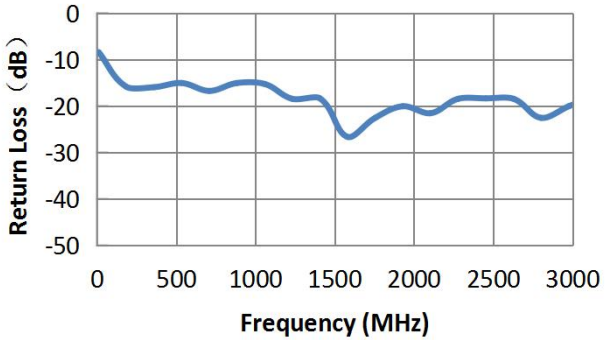
S21



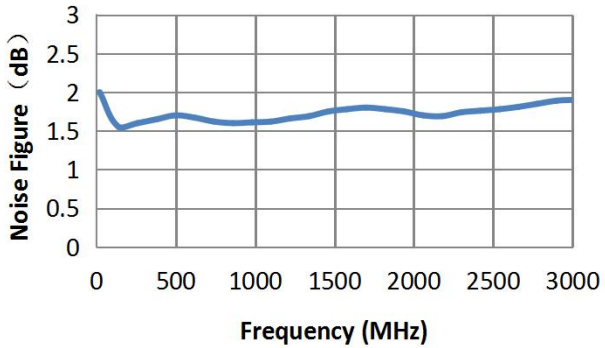
S11



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
CLC-20M3G-2516-S

DRAWN:	DWG NO.:	REV CODE: Rev.1.0	CONNPHY Microwave Inc. 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.