

CLC-10M6G-1640-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 band operation from 0.01 GHz to 6.0 GHz
- Low VSWR, unconditional stable
- Small size, low cost
- SMA female connector I/O

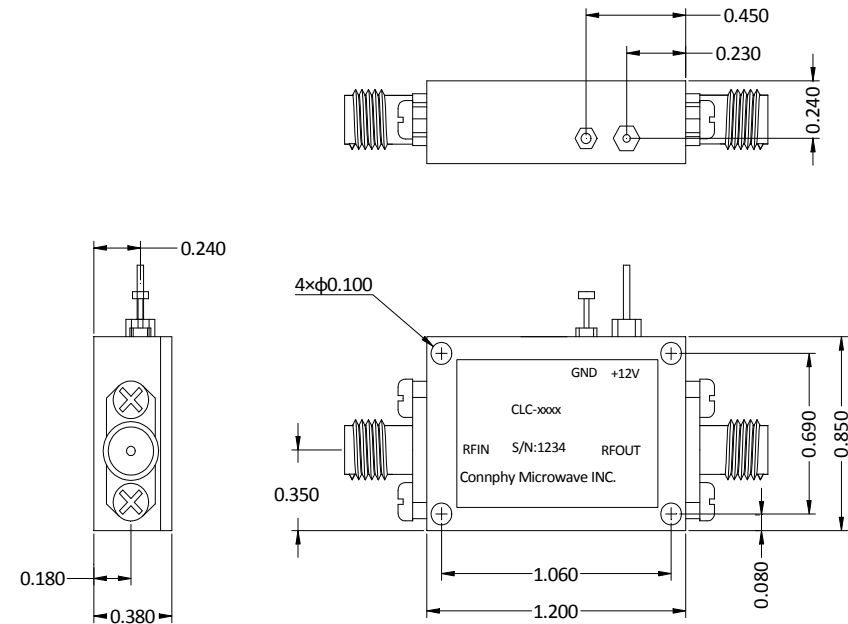
Specifications:


| | |
|--------------------|---------------------------|
| Frequency: | 0.01- 6.0 GHz |
| Gain: | 16 dB Typ, 14 dB Min |
| Gain Flatness: | ±1.0 dB Typ, ±1.25 dB Max |
| Noise Figure: | 4.0 dB Typ, 4.7 dB Max |
| Output P1dB: | 11 dBm Min |
| Spurious: | -60 dBc Max |
| VSWR Input: | 2.0:1 Max |
| VSWR Output: | 2.0:1 Max |
| DC Voltage: | +9 V to +15 V DC |
| DC Supply Current: | 60 mA Typ |

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 |

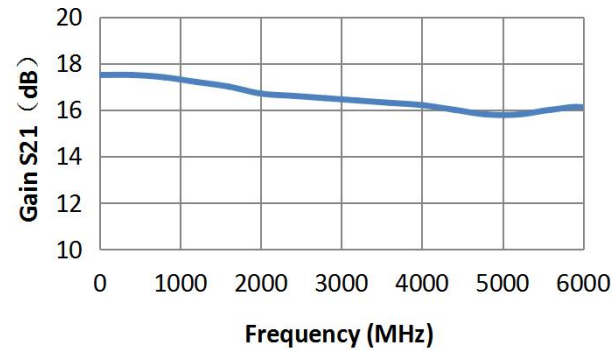
Mechanical Outline(Inches) :



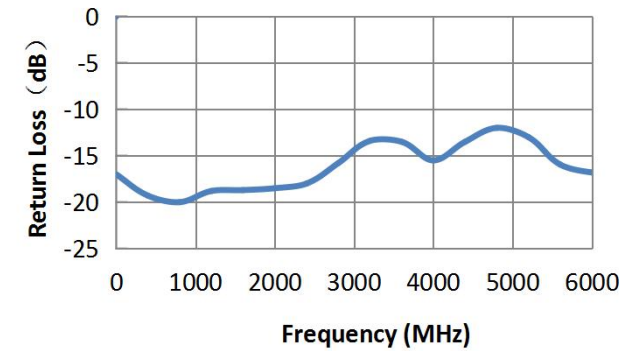
| Low Noise Amplifier CLC-10M6G-1640-S | | | |
|---|-------------------|----------------------|---|
| DRAWN: | DWG NO.: | REV CODE: Rev.1.0 |  www.connphy.com sales@connphy.com |
| CHECKRD: | DATE: 14/05/15 | SHEET : 1 OF 2 | |
| ISSUED: | SIZE: A | SCALE : N / A | |
| | | | Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE. |

Typical Performance Data:

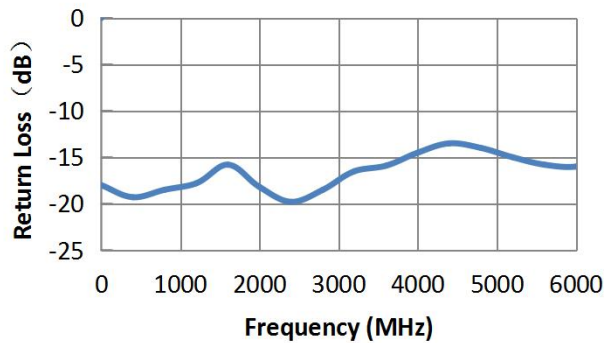
Gain S21



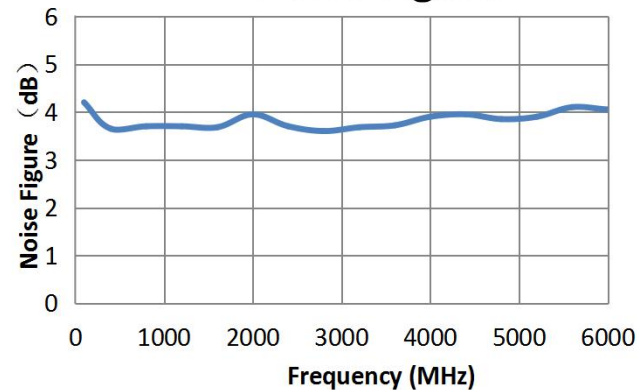
S11



S22



Noise Figure




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

Environmental Ratings:

| | |
|--------------------|--|
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| Altitude: | MIL-STD-202F, Method 105C Cond. B |
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| | | | |
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