

**CLN-20M1G-3225-S** is a Low Noise Amplifier providing a gain of 32 dB with a noise figure of 2.5 dB. The compact size and modularity makes it ideal for a wide range of applications.

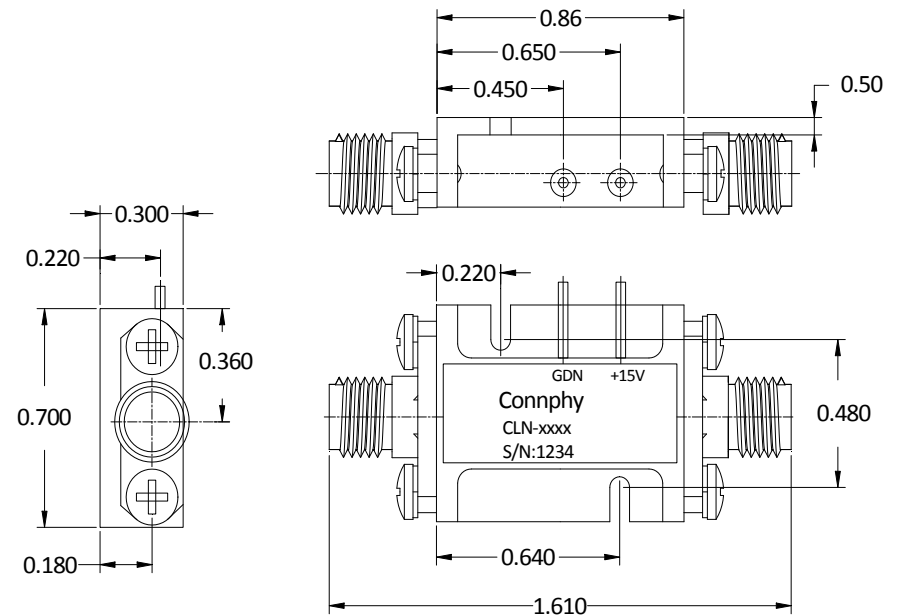
**Features:**

- Frequency Range: 20MHz-1GHz
- Gain: 32 dB Min
- Noise Figure: 2.5 dB Max
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

**Specifications:**


|                    |               |
|--------------------|---------------|
| Frequency:         | 0.02- 1.0 GHz |
| Gain:              | 32 dB Min     |
| Gain Flatness:     | ±1.5 dB Max   |
| Noise Figure:      | 2.5 dB Max    |
| Output P1dB:       | 10 dBm Min    |
| VSWR Input:        | 2.5:1 Max     |
| VSWR Output:       | 2.5:1 Max     |
| DC Voltage:        | +15 V DC Typ  |
| DC Supply Current: | 200 mA Typ    |
| RF Connector:      | SMA female    |

**Mechanical Outline(Inches):**



**Environmental Ratings:**

|                    |  |
|--------------------|--|
| Temperature:       | -40°C to +75 °C Operating<br>-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<br>CLN-20M1G-3225-S |                   |                      |   |
|---|-------------------|----------------------|---|
| DRAWN:                                  | DWG NO.:          | REV CODE:<br>Rev.1.0 | <br><a href="http://www.connphy.com">www.connphy.com</a><br><a href="mailto:sales@connphy.com">sales@connphy.com</a> |
| CHECKRD:                                | DATE:<br>14/05/15 | SHEET :<br>1 OF 1    |   |
| ISSUED:                                 | SIZE:<br>A        | SCALE :<br>N / A     |   |
|   |                   |                      | Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.   |