

**CLN-0.1G18G-3438-S** is a Low Noise Amplifier providing a gain of 34 dB with a noise figure of 3.8 dB. The compact size and modularity makes it ideal for a wide range of applications.

**Features:**

- Frequency Range: 0.1-18.0GHz
- Gain: 34 dB min.
- Noise Figure: 3.8 dB max.
- Solder filtered pins for DC connection
- Low VSWR, unconditional stable

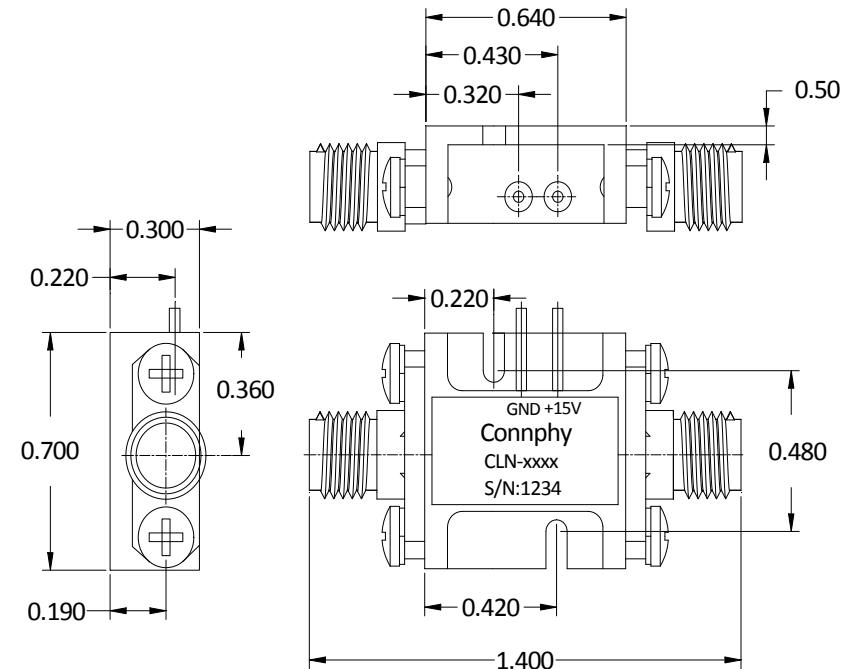
**Specifications:**


|                    |             |
|--------------------|-------------|
| Frequency:         | 0.1- 18 GHz |
| Gain:              | 34 dB Min   |
| Gain Flatness:     | ±2.8 dB Max |
| Noise Figure:      | 3.8 dB Max  |
| Output P1dB:       | 20 dBm Min  |
| VSWR Input:        | 2.5:1 Max   |
| VSWR Output:       | 2.5:1 Max   |
| DC Voltage:        | +15 V Typ   |
| DC Supply Current: | 250 mA Typ  |
| RF Connector:      | SMA Female  |

**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<br>CLN-0.1G18G-3438-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.   |