

1850-1910 MHz Low Noise Amplifier

General Description

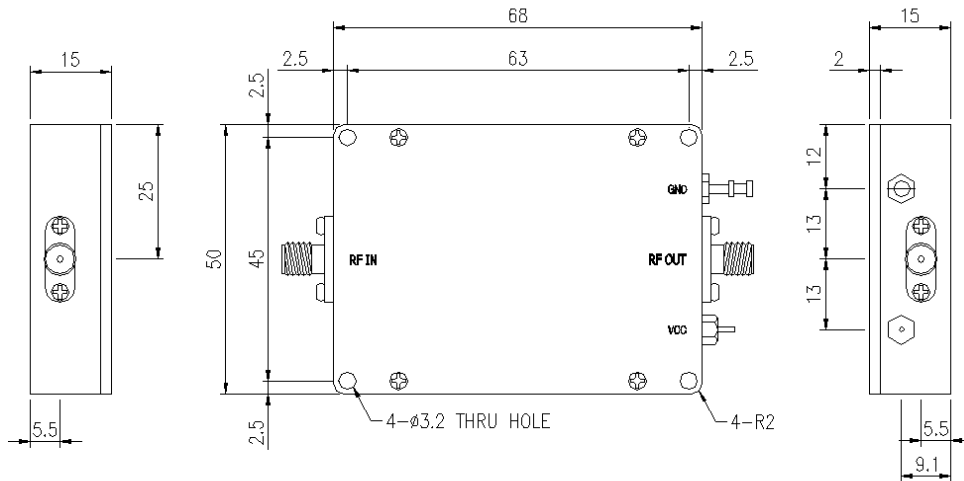
The NLC00357 is a Low Noise Amplifier for PCS Systems. It has very reliable characteristics in over all temperature range. Its DC feed line includes EMI filter so that the unit is protected from a sudden impact from power supply.

Performance with -30 ~ +70 degC

| Parameter | Min. | Typ. | Max. | Units |
|---|------|------|---------|-------|
| Frequency | 1850 | | 1910 | MHz |
| Gain at room temperature | 37 | | 39 | dB |
| Gain Flatness over all frequency range at room temperature | | | ±0.5 | dB |
| Noise Figure over all temperature range | | | 1.2 | dB |
| 1 dB Compression Point at room temperature | | 18 | | dBm |
| Output Third Order Intercept Point @ +10 dBm output power /tone, room temperature | 35 | | | dBm |
| Input VSWR | | | 1.3 : 1 | |
| Output VSWR | | | 1.5 : 1 | |
| DC supply voltage (Vcc) | +5 | | +15 | V |
| Supplied Current | | | 370 | mA |
| Operating Temperature | -30 | | +70 | degC |

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Outline Drawing



(unit: mm)

Connector Description

| | |
|-------|--------------------------------|
| RFin | RF input signal (SMA-F) |
| RFout | RF output signal (SMA-F) |
| Vdc, | DC Supply Voltage (+5 ~ +15 V) |