

824-849 MHz Low Noise Amplifier for Cellular System

*General Description*

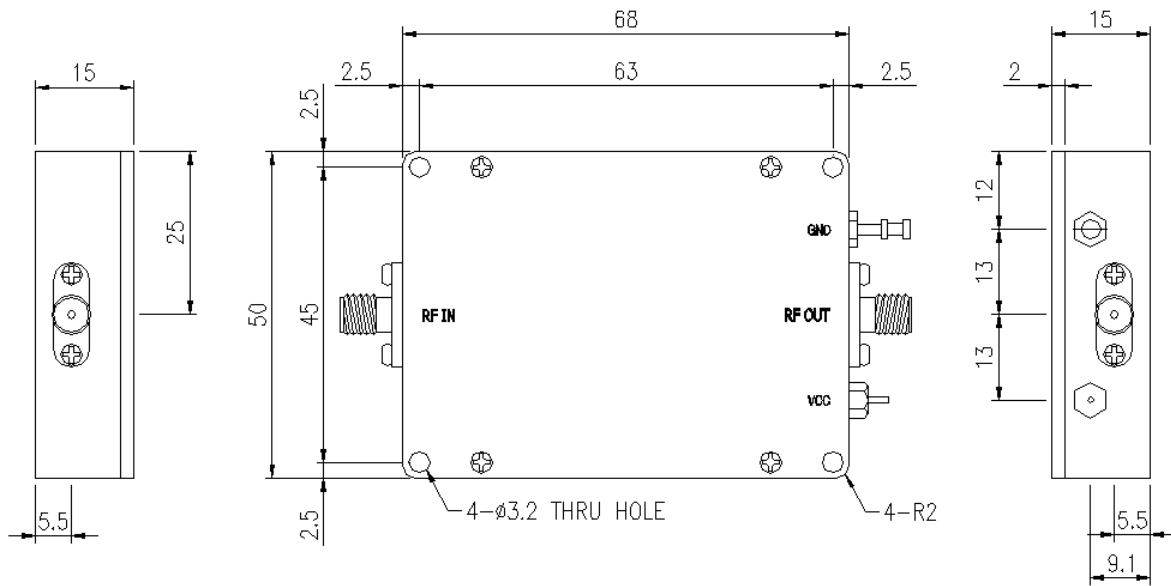
The NLC00326 is a Low Noise Amplifier for Cellular System. It has very reliable characteristics in over all temperature range. The DC feed line includes EMI filter so that the unit is protected from sudden impact through the DC power supply.

*Performance with -30 ~ +65 degC*

Parameter	Min.	Typ.	Max.	Units
Frequency	824		849	MHz
Gain at room temperature	36		38	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			1.3 : 1	
DC supply voltage (Vcc)	+8		+15	V
Supplied Current			300	mA
Operating Temperature	-30		+65	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 (+8 ~ +15 V)