

1710-1780 MHz Low Noise Amplifier

General Description

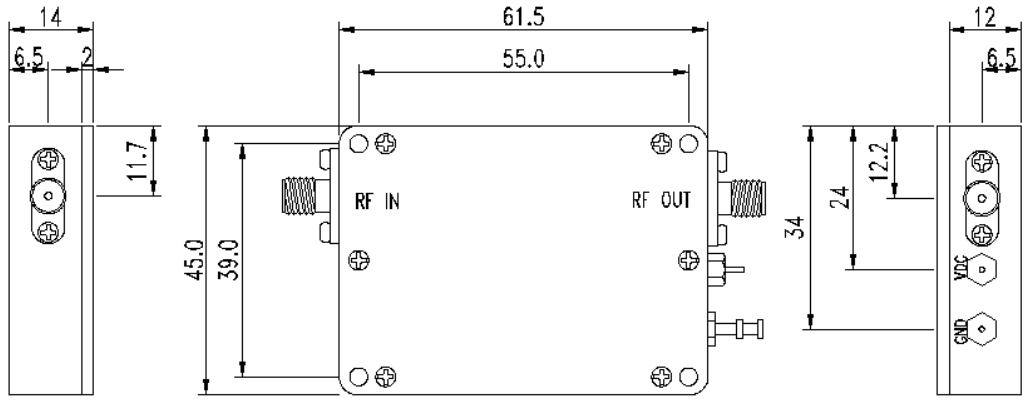
The NLC00327 is a Low Noise Amplifier for PCS and IMT-2000 Systems. It has very reliable characteristics in over all temperature range.

Performance with -20 ~ +65 degC

Parameter	Min.	Typ.	Max.	Units
Frequency	1710		1780	MHz
Gain at room temperature	29		31	dB
Gain Flatness over all frequency range at room temperature			±0.5	dB
Noise Figure over all temperature range			1.0	dB
1 dB Compression Point at room temperature		16		dBm
Output Third Order Intercept Point @ +10 dBm output power /tone, room temperature	34			dBm
Input VSWR			1.4 : 1	
Output VSWR			1.4 : 1	
DC supply voltage (Vcc)	+8		+15	V
Supplied Current			300	mA
Operating Temperature	-20		+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)