

1750-1780 MHz Low Noise Amplifier*General Description*

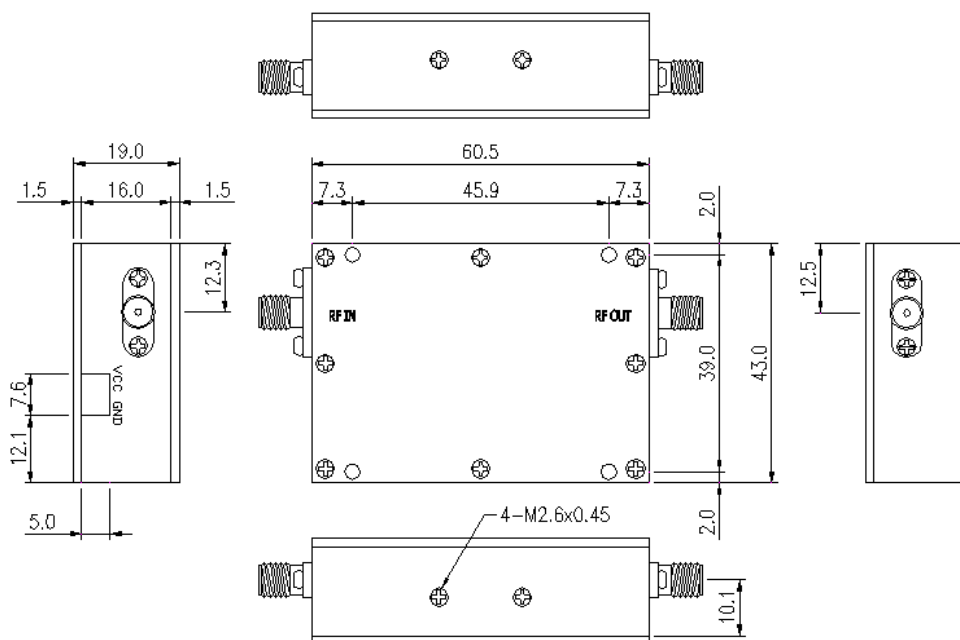
The NLC00335 is a Low Noise Amplifier for IMT-2000 System. It has very reliable characteristics in over all temperature range.

Performance with -30 ~ +65 degC

Parameter	Min.	Typ.	Max.	Units
Frequency	1750		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			1.2	dB
1 dB Compression Point at room temperature		16		dBm
Output Third Order Intercept Point @ +10 dBm output power /tone, room temperature	25			dBm
Input VSWR			1.3 : 1	
Output VSWR			1.5 : 1	
DC supply voltage (Vcc)	+9		+12	V
Supplied Current			200	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)
Vcc, GND	Molex 2-Pin Connector DC Supply Voltage (+9 - +12 V)