

1710-1780 MHz Low Noise Amplifier

General Description

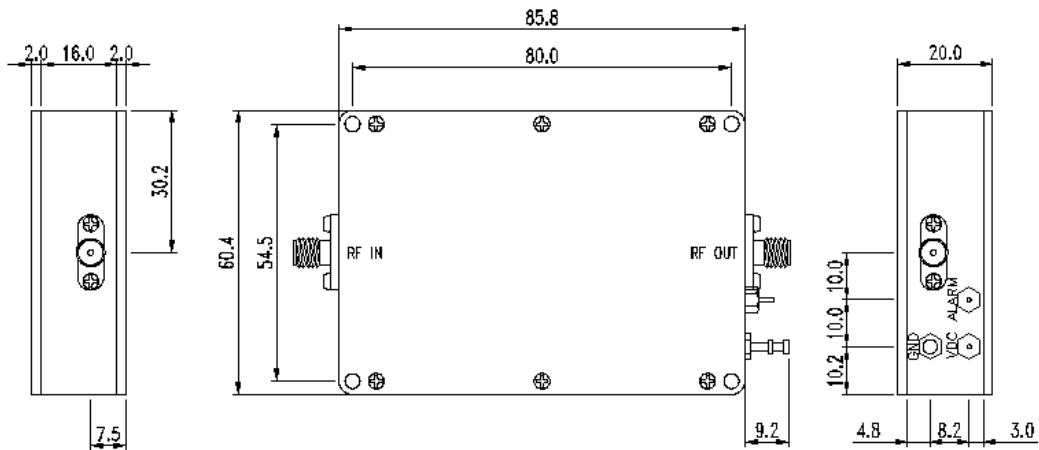
The NLC00343 is a Low Noise Amplifier for PCS and IMT-2000 Systems. It has very reliable characteristics in over all temperature range.

Performance with -30 ~ +65 degC

Parameter	Min.	Typ.	Max.	Units
Frequency	1710		1780	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		20		dBm
Output Third Order Intercept Point @ +10 dBm output power /tone, room temperature	37			dBm
Input VSWR			1.5 : 1	
Output VSWR			1.5 : 1	
DC supply voltage (Vcc)	+8		+15	V
Supplied Current			600	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)
Alarm	Fault Alarm (Open-Collector)