

2110-2170 MHz Low Noise Amplifier

General Description

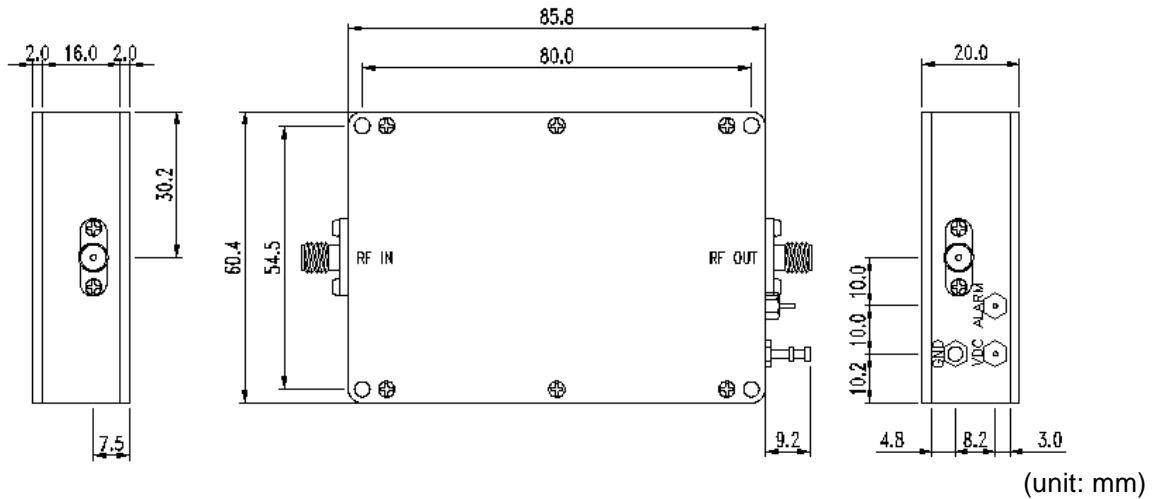
The NLC00363 is a Low Noise Amplifier for IMT-2000 Systems. It has very reliable characteristics in over all temperature range. Its DC feed line includes EMI filter so that the unit is protected from a sudden impact from power supply.

Performance with -30 ~ +65 degC

Parameter	Min.	Typ.	Max.	Units
Frequency	2110		2170	MHz
Gain at room temperature	39		41	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			1.3 : 1	
Output VSWR			1.3 : 1	
DC supply voltage (Vcc)	+10		+15	V
Supplied Current			600	mA
Operating Temperature	-30		+65	degC

2110-2170 MHz Low Noise Amplifier

Outline Drawing



Connector Description

RFin	RF input signal (SMA-F)
RFout	RF output signal (SMA-F)
Vdc,	DC Supply Voltage (+10 ~ +15 V)
Alarm	Fault Alarm (Open-Collector)