

NTE1060 Integrated Circuit AM-RF Amp, Mix/OSC, FM-AM IF Amp

Description:

The NTE1060 is an integrated circuit designed for FM/AM radio receiver applications. The AM section consists of an AM-RF amplifier, a frequency converter and an IF amplifier circuit. The FM section has an IF amplifier circuit.

Features:

- Improved Stability because the FM and AM Sections are Separated.
- Ceramic Filters can be Connected to the AM & FM Circuits.
- A High Gain RF Amplifier in the AM Section.

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Supply Voltage, V_{CC} 9.5V
 Collector Breakdown Voltage, V_{CEX} 16V
 Total Current Consumption, I_{tot} 40mA
 Total Power Dissipation, P_T 400mW
 Operating Ambient Temperature Range, T_{opr} -20° to $+75^\circ\text{C}$
 Storage Temperature Range, T_{stg} -65° to $+150^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 6\text{V}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Detection Output Voltage AM-IF	$V_O (AM)$	$f = 2\text{MHz}$, $V_i = 40\text{dB}$, MOD. 400Hz 30%	14.5	30	42	mV
Detection Output Voltage FM-IF	$V_O (FM)$	$f = 10.7\text{MHz}$, $V_i = 40\text{dB}$, MOD. 400Hz 30%	17	40	76	mV
Total Current Consumption	I_{tot}		6	20	40	mA

Pin Connection Diagram

