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NTE1560 Integrated Circuit Phase Lock Loop (PLL) FM Stereo Multiplex Demodulator

Description:

The NTE1560 is an integrated circuit in a 16-Lead DIP type package designed for low voltage radio and cassette tape recorders.

Features:

- LED Mis-Turning Protection Circuit at Transient Operation Voltage
- Provided with Forced Monaural and VCO Stop Circuits
- High Performance (Low Gain Loss, Low Distortion)

Absolute Maximum Ratings:

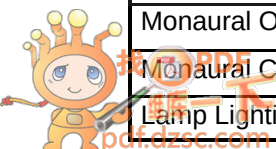
 (T_A = +25°C unless otherwise specified)

Supply Voltage, V _{CC}	12V
Circuit Voltage, V ₆₋₇	12V
Circuit Current, I ₆	75mA
Power Dissipation, P _D	360mW
Operating Ambient Temperature Range, T _{opr}	-20° to +75°C
Storage Temperature Range, T _{stg}	-55° to +150°C

Electrical Characteristics:

 (T_A = +25°C, V_{CC} = 6V unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Circuit Current	I _{tot}	V _i = 0	9	13	17	mA
Separation	Sep	V _(L+R) = 135mV _{rms} , f _m = 1kHz, V _P = 15mV _{rms}	30	45	—	dB
Stereo Total Harmonic Distortion	THD		—	0.1	0.3	%
Monaural Harmonic Distortion	THD	V _i = 150mV _{rms} , f _m = 1kHz	—	0.1	0.3	%
Monaural Output Voltage	V _O		125	145	170	mV _{rms}
Monaural Channel Balance	CB		-1	0	+1	dB
Lamp Lighting ON Pilot Voltage	V _{P(ON)}	Pilot Signal (19kHz)	4.5	6.0	8.5	mV _{rms}



Pin Connection Diagram

