ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

NTE1711
Integrated Circuit
2 Head Recording Amp for VCR

Description:
The NTE1711 is an integrated circuit in a 9–Lead SIP type package designed for use as a recording amplifier in VCRs.

Functions:
- Mixer Circuit
- Recording Current Amplifier

Features:
- Video Head can be a Driver
- Supply Voltage of Either 9V or 12V

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)
Supply Voltage, V_{CC} 14.4V
Power Dissipation, P_D 600mW
Operating Ambient Temperature Range, T_{opr} . . . . . –20° to +70°C
Storage Temperatuere Range, T_{stg} . . . . . –40° to +150°C

Note 1. Operating Supply Voltage Range: $V_{CC(opr)}$ = 7.8V to 13V.

Electrical Characteristics: (T_A = +25°C ±2°C, V_{CC} = 9V unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Circuit Current	I_{tot}		22	–	34	mA
Output Amplitude	v_o	V_i = 50mV$_{P–P}$	10	–	20	mV$_{P–P}$
2nd Harmonic Distortion	D_{2f}	I_O = 15mA$_{P–P}$	–	–	–35	dB
3rd Harmonic Distortion	D_{3f}	I_O = 15mA$_{P–P}$	–	–	–40	dB
Crosstalk	CT	I_O = 15mA$_{P–P}$	–	–	–35	dB
Cross Modulation	CM1	I_O = 15mA$_{P–P}$	–	–	–35	dB
	CM2	I_O = 15mA$_{P–P}$	–	–	–40	dB

Pin Connection Diagram
(Front View)