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NTE7187
Integrated Circuit
Current Amplifier for use in Video Projectors

Features:

- 2 channels/1 package for convergence use

Absolute Maximum Ratings: (Ta = 25°C, unless otherwise specified)

Maximum Supply Voltage (Note 1), V_{CC} . . . . . ±38V

Maximum Collector Current, I_C

Tr6,13 DC 1 sec . . . . . +2.0

Tr7,14 DC 1 sec . . . . . –2.0

Maximum Thermal Resistance, Junction–to–Case (Note 2), $R_{th\ j-case}$ . . . . . 3.0°C/W

Junction Temperature, T_j . . . . . 150°C

Operating Case Temperature, T_C . . . . . 105°C

Storange Temperature Range, T_{stg}, ... –30 to +105°C

Note 1. If the supply voltage is not balanced between $+V_{CC}$ and $-V_{CC,}$ the maximum rating of $+V_{CC}$ ($-V_{CC}$) must be 76V. Further, $\pm V_{CC}$ max < 42.5V must be met.

Note 2. Tr6,7,13.14 (Per power Tr)

Electrical Characteristics: (Ta = 25°C, Rg = 50Ω unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output Noise Voltage	V_{NO}	V_{CC} = ±24	–	–	0.2	$_mV_{rms}$
Quiescent Current	Icco	V_{CC} = ±24	–	15	25	mA
Midpoint Voltage	V_N	V_{CC} = ±24	–50	0	+50	mV
Output Delay Time	t_D	V_{CC} = ±20.5, f= 15.75kHz	–	–	1	µsec

Internal Equivalent Circuit