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NTE1725
Integrated Circuit
Color TV Picture IF System

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Voltage, V_{CC} 15V
Output Current, I_O 4mA
Power Dissipation, P_T 745mW
Operating Ambient Temperature Range, T_{opr} . . . . . –20° to +65°C
Storage Temperature Range, T_{stg} . . . . . –55° to +125°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 12V unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Circuit Current	I_{CC}		–	40	57	mA
Input Voltage	V_{IN}		35	40	45	dBμ
Max. Input Voltage	$V_{i\ max}$		93	98	–	dBμ
Differential Gain	DG		–	3	–	%
Differential Phase	DP		–	2.5	–	%
Video Input Voltage	V_{video}	m = 87.5%	1.98	2.32	2.65	V_{p-p}
Output Sync Level	V_{sync}		5.1	5.5	5.9	V
Frequency Characteristics	fc	–3dB	6.0	8.0	–	MHz
AFT Min. Voltage	$V_{AFT\ min}$		–	–	1.0	V
AFT Max. Voltage	$V_{AFT\ max}$		11.0	–	–	V
RF Max. Voltage	$V_{RF\ max}$		–	–	9.0	V
RF Min. Voltage	$V_{RF\ min}$		–	–	1.0	V

Pin Connection Diagram
(Front View)



