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NTE1725 Integrated Circuit Color TV Picture IF System

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ 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 $+65^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55° to $+125^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 12\text{V}$ 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	dB μ
Max. Input Voltage	$V_{i\ max}$		93	98	–	dB μ
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)



