

NTE1266 Integrated Circuit Color AGC Circuit for VCR

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Supply Voltage (V_{2-12}), V_{CC}	14.4V
Supply Current, I_{CC}	42.5mA
Power Dissipation, P_D	540mW
Operating Temperature Range, T_{opr}	-20° to $+70^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+150^\circ\text{C}$

Electrical Characteristics: ($V_{CC} = 12\text{V}$, $T_A = +25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Circuit Current	I_{tot}		26.5	33.0	40.7	mA
Input Bias Voltage	V_{13-12}		–	1.85	–	V
AGC Amp Output Voltage	$V_{O(AGC1)}$	$V_{CHROMA} = 225\text{mV}_{P-P}$ (0dB)	218	290	390	mV_{P-P}
AGC Characteristics	$V_{O(AGC2)}$	–20dB	195	260	348	mV_{P-P}
	$V_{O(AGC3)}$	+6dB	225	300	400	mV_{P-P}
Burst Gate Level	$V_{(Burst)}$	V_1 Sawtooth 3V_{P-P} , $f = 10\text{kHz}$	1.3	1.65	1.9	V
BM Carrier Suppression	SC	$V_3 = 133\text{mV}_{rms}$, $V_5 = 52\text{mV}_{rms}$	35	45	–	dB
Killer Amp Output Voltage	G_{KILLER}	$V_{9-12} = 142\text{mV}_{rms}$	1.1	1.37	1.64	V_{P-P}
Killer Operation Level	K_{gate}	DC measuring	1.1	1.4	1.7	$V_{(DC)}$

Pin Connection Diagram

