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## 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, $T_{opr}$ .....	$-20^\circ$ to $+70^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-40^\circ$ 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	$\text{mV}_{P-P}$
AGC Characteristics	$V_{O(AGC2)}$	–20dB	195	260	348	$\text{mV}_{P-P}$
	$V_{O(AGC3)}$	+6dB	225	300	400	$\text{mV}_{P-P}$
Burst Gate Level	$V_{(Burst)}$	$V_1$ Sawtooth $3\text{V}_{P-P}$ , $f = 10\text{kHz}$	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	$\text{V}_{P-P}$
Killer Operation Level	$K_{gate}$	DC measuring	1.1	1.4	1.7	$V_{(DC)}$

### Pin Connection Diagram

