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NTE1568 Integrated Circuit Frequency Divider/Generator for VCR

Features:

- FG Amplifier
- FG Frequency Divider
- Reset Circuit
- Supply Voltage either 9V or 12V

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

Supply Voltage, V_{CC} 13V
 Power Dissipation ($T_A = +70^\circ\text{C}$), P_D 320mW
 Operating Temperature Range, T_{opr} -20° to $+70^\circ\text{C}$
 Storage Temperature Range, T_{stg} -40° to $+150^\circ\text{C}$

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_{13}		10	–	21	mA
FG Amp. Gain	G_{V14-16}	$f = 100\text{kHz}$, $0.1V_{p-p}$	1.25	–	1.95	V_{p-p}
Schmitt Circuit Input Sensitivity	S_1		0.2	–	–	V_{p-p}
FG Output (H) Output Voltage	V_{5H}		5.9	–	6.9	V
PG Output (H) Output Voltage	V_{9H}		5.9	–	6.9	V
FG Output (L) Output Voltage	V_{5L}		–	–	0.5	V
PG Output (L) Output Voltage	V_{9L}		–	–	0.5	V
Frequency Divider Select Sensitivity	$S_{(select)}$		4	–	–	V
PG Output Reset Sensitivity	S_{12}		–	–	1.2	V

Note *. Operating Supply Voltage $V_{CC(opr)} = 8.5\text{V}$ to 12.5V

Pin Connection Diagram

