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NTE1421 Integrated Circuit 3/4/8/12/16 Frequency Driver

Features:

- Q, Q Outputs From each Flip-Flop
- Equipped with Set Terminal
- Two Dividers Operate with Independent Inputs

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

Supply Voltage, V_{CC}	15V
Circuit Voltage (Note 1), V_{2-5} , V_{3-5} , V_{4-5} , V_{6-5} , V_{7-5} , V_{8-5}	0 to 15V
Supply Current, I_{CC}	30mA
Circuit Current, I_4	-5 to 6mA
Circuit Current, I_2 , I_3 , I_6 , I_7	-1.5 to 0.1mA
Power Dissipation, P_D	350mW
Operating Temperature Range, T_{opg}	-20° to +75°C
Storage Temperature Range, T_{stg}	-65° to +150°C

Note 1. $V_{CC} \leq V_{2-5}$, $V_{CC} \geq V_{3-5}$, $V_{CC} \geq V_{4-5}$, $V_{CC} \geq V_{6-5}$, $V_{CC} \geq V_{7-5}$, $V_{CC} \geq V_{8-5}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output Voltage Low Level	V_{OL}	$V_{CC} = 15V$, $I_{OL} = 6mA$, $V_{i(T)} = 0V$, $V_{i(S)} = 15V$	-	-	0.4	V
		$V_C = 9V$, $I_{OL} = 5mA$, $V_{i(T)} = 0V$, $V_{i(S)} = 9V$	-	-	0.4	V
Output Voltage High Level	V_{OH}	$V_{CC} = 15V$, $I_{OH} = -1mA$, $V_{i(T)} = 0V$, $V_{i(S)} = 15V$	13	-	-	V
		$V_{CC} = 9V$, $I_{OH} = -1mA$, $V_{i(T)} = 0V$, $V_{i(S)} = 9V$	7	-	-	V
Input Voltage Low Level	V_{IL}		0	-	0.5	V
Input Voltage High Level	V_{IH}	$V_{CC} > V_{i(T)}$, $V_{i(K)}$, $V_{i(S)}$	4	-	15	V
Input Current Low Level	I_{IL}	$V_{CC} = 15V$, $V_i = 0V$	-	-	1.5	mA
Input Current High Level	I_{IH}	$V_{CC} = 15V$, $V_i = 15V$	-	-	100	μA
Total Circuit Current	I_{tot}	$V_{CC} = 15V$, $V_i = 0V$, $V_{i(T)} = 0V$	-	-	30	mA

Pin Connection Diagram

