

NTE1499 Integrated Circuit 1/20 Frequency Divider

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

Supply Voltage, V_{CC}	7V
Supply Current (I_B), I_{CC}	20mA
Power Dissipation ($T_A = +70^\circ\text{C}$), P_D	140mW
Operating Temperature Range, T_{opr}	-20° to $+70^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55°C to $+125^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Operating Supply Voltage	$V_{CC(opr)}$		4.7	5.2	5.7	V
Supply Current	I_B	$V_{CC} = 5.2\text{V}$	–	10	13	mA
Input Frequency Range	f_i	Sine Wave Input, $V_i = 400\text{mV}_{P-P}$	40	–	120	MHz
Output Voltage Level, "H"	V_{OH}	$V_D = 5.2\text{V}$	4	–	–	V
Output Voltage Level, "L"	V_{OL}	$I_{OL} = 5\text{mA}$	–	–	0.4	V
Minimum Slew Rate	SR	Rectangular Wave Input	–	–	100	$\text{V}/\mu\text{s}$
Input Voltage Range	V_i	Sine wave Input	400	–	800	mV_{P-P}

Note 1. The device should be used with Pin5 grounded.

Note 2. The device should be handled with the same precaution as is applied to MOS devices against electrostatic charge.

