ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

NTE1499
Integrated Circuit
1/20 Frequency Divider

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Voltage, V_{CC} 7V
Supply Current (I_8), I_{CC} 20mA
Power Dissipation (T_A = +70°C), P_D 140mW
Operating Temperature Range, T_{opr} . . . . . –20° to +70°C
Storage Temperature Range, T_{stg} . . . . . –55°C to +125°C

Electrical Characteristics: (T_A = +25°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_8	V_{CC} = 5.2V	–	10	13	mA
Input Frequency Range	f_i	Sine Wave Input, V_i = 400mV_{P-P}	40	–	120	MHz
Output Voltage Level, “H”	V_{OH}	V_D = 5.2V	4	–	–	V
Output Voltage Level, “L”	V_{OL}	I_{OL} = 5mA	–	–	0.4	V
Minimum Slew Rate	SR	Rectangular Wave Input	–	–	100	V/µs
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.

Pin Connection Diagram
(Front View)