



Features

- > All metal welded package
- > Wide frequency range from 0.50MHz up to 268MHz.
- > CMOS IC circuit construction built-in with tristate function.
- > CMOS/TTL compatible in general application.

Electrical Specifications

Type	DIP 08/DIP 14 3.3V	DIP 08/DIP 14 5.0V
Nominal Frequency Range	0.500 MHz to 268.000 MHz	
Frequency Stability	± 20 ppm(Standard) at $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$, ± 5 ppm to ± 100 ppm available	
Operating Temperature	-20°C to $+70^{\circ}\text{C}$ (Standard), -40°C to $+85^{\circ}\text{C}$ available	
Storage Temperature	-55°C to $+125^{\circ}\text{C}$	
Supply Voltage	$3.3\text{V} \pm 10\%$	$5.0\text{V} \pm 10\%$
Supply Current	0.5 to 29.99 MHz 10 mA Max.	0.5 to 16.99 MHz 10 mA Max.
	30.0 to 59.99 MHz 15 mA Max.	17.0 to 59.99 MHz 25 mA Max.
	60.0 to 89.99 MHz 20 mA Max.	60.0 to 89.99 MHz 40 mA Max.
	90.0 to 125.0 MHz 30 mA Max.	90.0 to 125.0 MHz 60 mA Max.
	125.0 to 268.0 MHz 70 mA Max.	125.0 to 268.0 MHz 80 mA Max.
Output	Rise & Fall Time	6ns: 0.5 to 49.99 MHz
		5ns: 50.0 to 79.99 MHz
		4ns: 80.0 to 99.99 MHz
		3ns: 100.0 to 124.99 MHz
		2ns: 125.0 to 268.0 MHz
	Load	30 pF: 1.0 to 49.99 MHz
		15 pF: 0.5 to 268.0 MHz
	Current Max.	4mA
	Low Level	0.5V Max.
	High Level	VDC-0.5V Min.
Symmetry at 1/2 VDC	45/55% typical, 40/60% available	
Start Up Time	<10ns	
Aging	± 2 ppm/year	

Dimensions

