

DIP 8

PIN CONNECTIONS	
#1	CONTROL VOLTAGE
#4	GROUND
#5	OUTPUT
#8	SUPPLY VOLTAGE

DIP 14

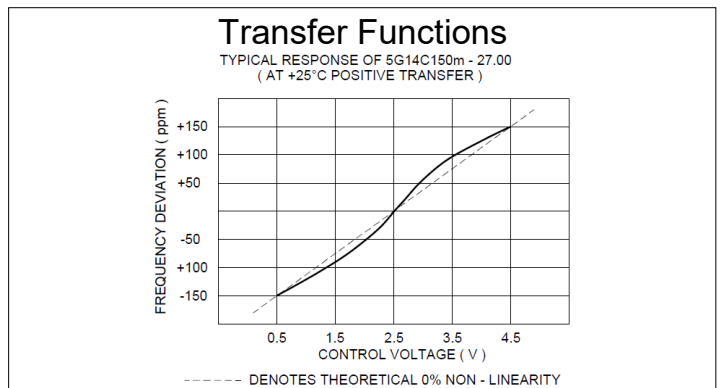
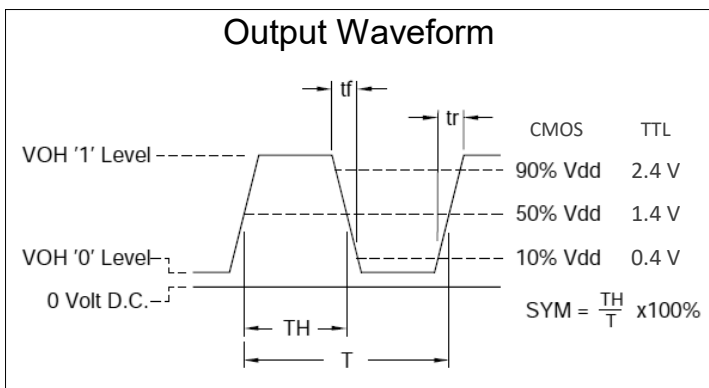
PIN CONNECTIONS	
#1	CONTROL VOLTAGE
#7	GROUND
#8	OUTPUT
#14	SUPPLY VOLTAGE

DIP 8 GW

PIN CONNECTIONS	
#1	CONTROL VOLTAGE
#4	GROUND
#5	OUTPUT
#8	SUPPLY VOLTAGE

DIP 14 GW

PIN CONNECTIONS	
#1	CONTROL VOLTAGE
#7	GROUND
#8	OUTPUT
#14	SUPPLY VOLTAGE



See specifications and ordering information on the next page

Note: The above specifications are typical only. Please contact our Sales Department for specific requirements.

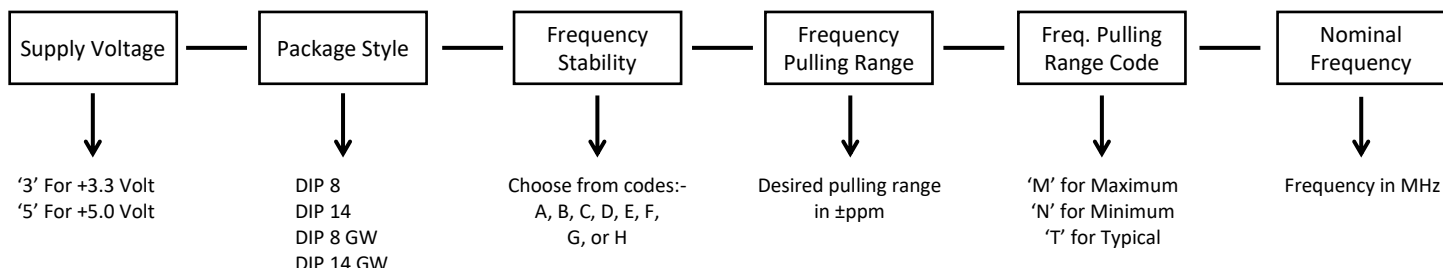


SPECIFICATIONS

		3.3 Volt System	5.0 Volt System
Supply Voltage (V _{DD})		(V _{DD}) = +3.3 Volt D.C. ±5% Control Voltage Centre = +1.65V Voltage code is '3'	(V _{DD}) = +5.0 Volt D.C. ±5% Control Voltage Centre = +2.5V Voltage code is '5'
Frequency Range		500 KHz to 30 MHz 30+ MHz to 125 MHz	500 KHz to 30 MHz 30+ MHz to 160 MHz
Output Voltage "High", "1"	TTL	2.4 Volt Minimum	2.4 Volt Minimum
	CMOS	2.97 Minimum	V _{CC} - 0.5 Minimum
Output Voltage "Low", "0"	TTL	0.4 Volt Maximum	0.4 Volt Maximum
	CMOS	0.33 Volt Maximum	0.5 Volt Maximum
Frequency Pulling Range		From ±30ppm to ±150ppm Control Voltage Range: 0.3 Volt to 3.0 Volt	From ±80ppm to ±200ppm Control Voltage Range: 0.3 Volt to 3.0 Volt
Frequency Stability Codes (Refer Note 1)		A = ±25ppm 0°C to +70°C B = ±50ppm 0°C to +70°C C = ±100ppm 0°C to +70°C D = ±10ppm 0°C to +70°C	E = ±25ppm -40°C to +85°C F = ±50ppm -40°C to +85°C G = ±100ppm -40°C to +85°C H = ±20ppm -40°C to +85°C
Output Load	TTL	5 to 10 TTL gates	
	CMOS	15pF to 50pF	
Rise Time (Tr) And Fall Time (Tf)	TTL	10n Sec. Maximum: 3n Sec. Typical. Measured between 0.4 Volt to 2.4 Volt (RL = 390Ω : CL = 15pF)	
	CMOS	10n Sec. Maximum: 3n Sec. Typical. Measured between 10% to 90% (V _{DD}) (CL = 15pF)	
Duty Cycle	TTL	40% Minimum. 60% Maximum (Measured at +1.4 Volt)	
	CMOS	40% Minimum. 60% Maximum (Measured at 50% V _{DD})	
Start Up Time (Ts)		10m Sec Maximum. 5m Sec Typical.	
Linearity		10% Maximum. 6% Typical.	
Slope Polarity (Transfer Function)		<u>Positive</u> : Increasing control voltage increases output frequency (Standard). <u>Negative</u> : Increasing control voltage decreases output frequency.	
Current Consumption		15 mA to 45 mA (Frequency dependent)	
Modulation Bandwidth (±3dB)		10 kHz Minimum	
Input Impedance		50 kΩ at 10 kHz Minimum	
Storage Temperature		-40°C to +85°C	
Aging		±5ppm per year Maximum	

Note 1: Inclusive of 25° tolerance, operating temperature range, input voltage (±10%), load change, aging, shock and vibration.

Ordering Information



Example: 3 - DIP 14 - A - 100 - M - 27.000
 would represent: +3.3 volts, DIP 14 package, ±25ppm over 0°C to +70°C, ±100ppm pulling range (Max), at 27.0 MHz

Note: The above specifications are typical only. Please contact our Sales Department for specific requirements.

