

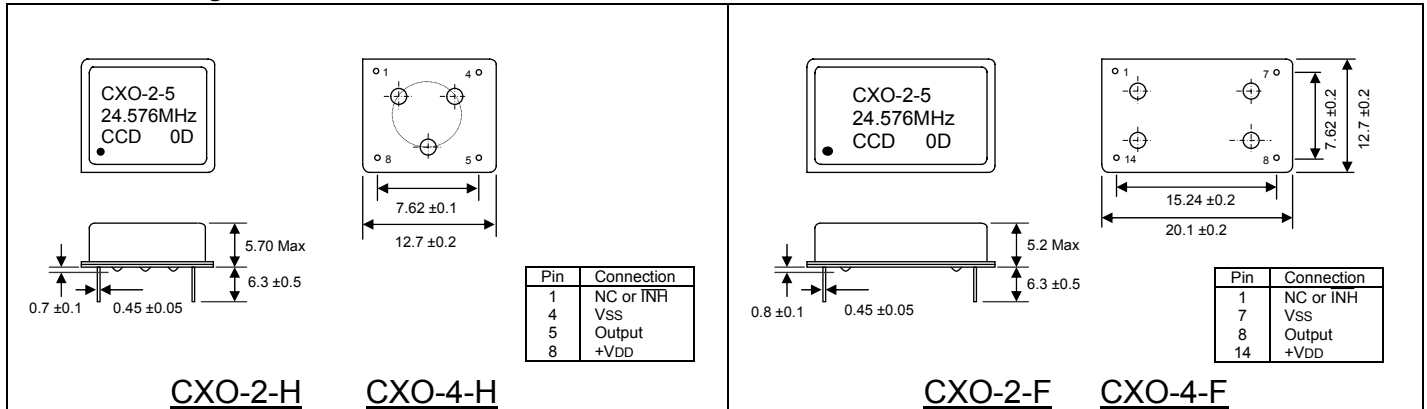
# Clock Oscillator

## Feature & Applications:

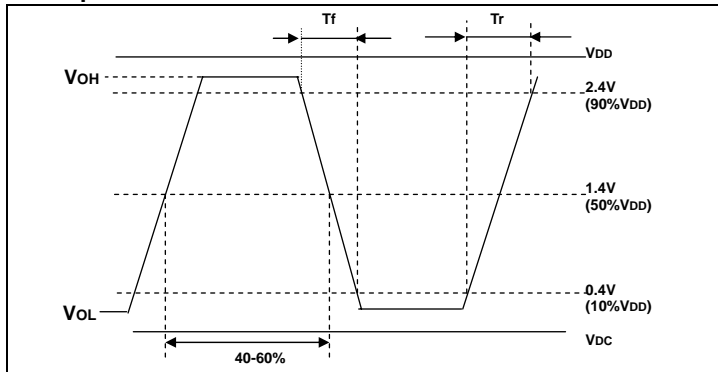
- HCMOS or TTL output
- 3.3V or 5.0 VDC supply voltage
- 8 and 14 pin DIP-IC foot-print

## Outline Drawing

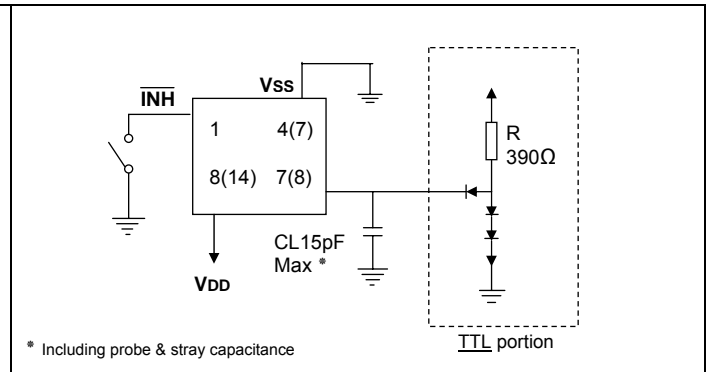
Dimension (Unit:mm)



## Output Waveform



## Test Circuit



## General Characteristics

Parameter	Case	CXO-2-H	CXO-2-F	CXO-4-H	CXO-4-F
Frequency Range		1.0MHz to 80.000MHz		80.000MHz to 120.000MHz	
Frequency Tolerance		± 100 ppm			
Operating Temperature		0°C to +70°C (standard), -10°C to +80°C (tight)			
Storage Temperature		-40°C to +85°C			
Supply Voltage		+3.3V or +5.0V    ±10%			
Supply Current		20mA max (1.0 to 23.999MHz)		40mA max (80 to 99.999MHz)	
		30mA max (24 to 49.999MHz)		60mA max (100 to 120MHz)	
		40mA max (50 to 80.000MHz)			
Symmetry (Duty Cycle)		40% to 60 % (standard), 45% to 55% (tight) at 1/2VDD			
Output '0' Level (V0L)		+0.4VDC max (TTL),    10% VDD max(HCMOS)			
Output '1' Level (V0H)		+2.4VDC min (TTL),    90% VDD min(HCMOS)			
Rise/Fall Time (10%↔90% VDD)		10nS max			
Start up Time		6mS max			
Output Load		15pF HCMOS or 10TTL		15pF HCMOS or 5TTL	
Tri-state output *optional		*Enable/High Impedance			

## Part Number Guide:

CXO	-	2	-	H	-	24.576	-	100	-	S	-	5.0	-	N
Clock		2 = HCMOS		Case		Frequency		Freq. Tol		Symmetry		Input Voltage		Options
Xtal		4 = Multiplex		H = DIP-8		24.576MHz		100 = ±100ppm		S = 40~60%		5.0 = +5.0V		N = No
Oscillator				F = DIP-14						T = 45~55%		3.3 = +3.3V		TS = Tri-state

Other combination is available