

**FREQ. STABILITY vs. TEMP. RANGE**

		ppm	
Temp.(°C)		A: ±0.5	B: ±1.0
B	0~+50	○	○
I	-10~+60	○	○
C	-20~+70	○	○
D	-30~+85	△	○
L	-40~+85	△"	○

○:Standard △:Available (case by case)
 ×:Not available
 " 10~26MHz and Pulling < 8ppm available

ELECTRICAL SPECIFICATION

Parameter	Min.		Max.		Unit	
Supply Voltage Variation(V _{DD}) 5%	5.0	2.8	5.0	2.8	V	
Frequency Range	4.75	2.66	5.25	2.94	V	
Operating Temp. Range	10				36*	MHz
Frequency Stability *	Refer to Ordering Information				°C	
Frequency Stability	Refer to Ordering Information				ppm	
Vs Supply Voltage (±5%) change	-			±0.2	ppm	
Vs Load (±10%) change	-			±0.2		
Vs Aging	-			±1.0		ppm / year
Supply Current					mA	
10.000MHz ≤ Fo < 15.000MHz	-			1.5		
15.000MHz ≤ Fo < 26.000MHz	-			2.0		
26.000MHz ≤ Fo ≤ 36.000MHz	-			2.5		
Output Level (Clipped Sine)	0.8		-		Vp-p	
Load	10KΩ//10pF					
Vc Input Impedance	1.0		-		MΩ	
Phase Noise @13.0MHz					dBc/Hz	
100Hz				-115		
1KHz				-135		
10KHz				-148		
Start Time	-		2		mSec	
Storage Temp. Range	-55		125		°C	

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.

* 26.000 ~ 36.000 MHz only for V_{DD} = 2.8 ~ 3.3V.