





## FREQ. STABILITY vs. TEMP. RANGE

Temp. (°C)	ppm	A: ±0.5	B: ±1.0	P: ±1.5	C: ±2.0	D: ±2.5
B	0~+55	○	○	○	○	○
I	-10~+60	○	○	○	○	○
C	-20~+70	○	○	○	○	○
D	-30~+85	○	○	○	○	○
L	-40~+85	△	○	○	○	○

○:Standard △:Available (case by case) ×:Not available

## ELECTRICAL SPECIFICATION

Parameter	Min.	Max.	Unit
Supply Voltage Variation (V <sub>DD</sub> ) 5%	2.5	3.3	V
Frequency Range	8	40	MHz
Standard Frequency	16.3676, 16.367667, 16.368, 16.369, 19.2, 20.0, 24.5535, 26.0, 40.0		MHz
Operating Temp. Range	Refer to Ordering Information		°C
Frequency Stability	Refer to Ordering Information		ppm
Frequency Stability			
Vs Supply Voltage (±5%) change	–	±0.2	ppm
Vs Load (±10%) change	–	±0.2	
Vs Aging	–	±1.0	ppm / year
Supply Current			
10.000MHz ≤ Fo < 15.000MHz	–	1.5	mA
15.000MHz ≤ Fo < 26.000MHz	–	2.0	
26.000MHz ≤ Fo ≤ 40.000MHz	–	2.5	
Output Level (Clipped Sine)	0.8	–	V <sub>p-p</sub>
Load	10KΩ//10pF		
V <sub>c</sub> Input Impedance	1.0	–	MΩ
Phase Noise @19.2MHz			
100Hz	-115		dBc/Hz
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.