

## CX42 Series

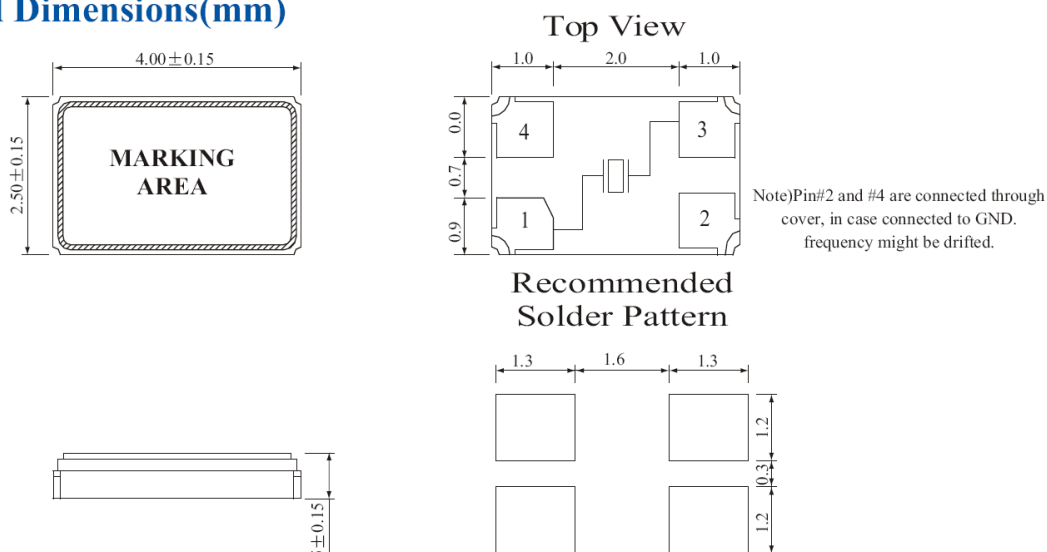
### Electrical Specifications

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	F <sub>0</sub>		12		32	MHz
Frequency Tolerance	ΔF/ F <sub>0</sub>	AT 25°C	±10	±15	±30	ppm
Temperature Stability	T <sub>C</sub>	REF TO 25°C	±10	±15	±30	ppm
Operating Temperature Range	T <sub>OPR</sub>		-20		+70	°C
Storage Temperature Range	T <sub>STG</sub>		-40		+85	°C
Shunt Capacitance	C <sub>0</sub>				3	pF
Load Capacitance	C <sub>L</sub>		8		12	pF
Insulator Resistance	I <sub>R</sub>	100V <sub>DC</sub>	500			M Ω
Drive Level	D <sub>L</sub>		10	100	300	μ W
Aging(at 25°C)	F <sub>a</sub>	AT 25°C, per year	-2.0		+2.0	ppm

### Equivalent Series Resistance(ESR) and Mode of Vibration(Mode)

Frequency Range	Max ESR(Ω)	Mode
12.000MHz to 19.999MHz	80	Fundamental
20.000MHz to 25.999MHz	70	Fundamental
26.000MHz to 32.000MHz	50	Fundamental

### Mechanical Dimensions(mm)



CX42-A20C18-25M000

Package	Frequency Stability	Frequency Tolerance	Operating temperature Range	Load Capacitance	Nominal Frequency (In MHz)
HC49SM	A=±10ppm	10=±10ppm	A=0 to +70°C	00=series	25M000=25.000MHz
HC49SX	B=±20ppm	20=±20ppm	B=-20 to +70°C	10=10pF	32K768=32.768KHz
CX32	C=±30ppm	30=±30ppm	C=-40 to +85°C	18=18pF	
CX42	D=±50ppm	50=±50ppm	D=-40 to +105°C	32=32pF	
CX5F	E=±100ppm	00=±100ppm			
CX5S					
CX6F					
CX6S					
CX75					
CX84					