

## CX75 Series

### Electrical Specifications

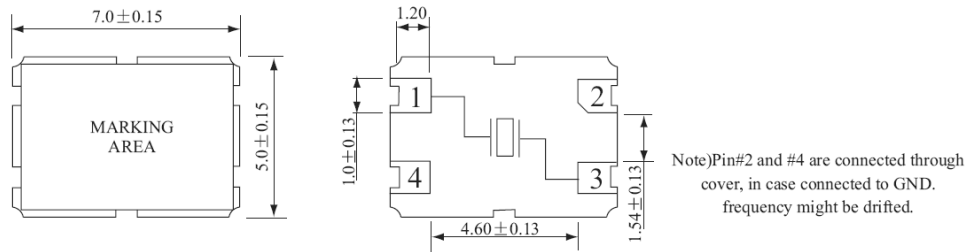
Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo		9.8304		100.000	MHz
Frequency Tolerance	$\Delta F/Fo$	AT 25°C	$\pm 10$	$\pm 30$	$\pm 50$	ppm
Temperature Stability	TC	REF TO 25°C	$\pm 10$	$\pm 30$	$\pm 50$	ppm
Operating Temperature Range	TOPR		-10*		+60*	°C
Storage Temperature Range	TSTG		-40		+85	°C
Shunt Capacitance	Co				7	pF
Load Capacitance	CL	Customer specified	10		Series	pF
Insulator Resistance	IR	100V <sub>DC</sub>	500			M $\Omega$
Drive Level	DL			100	300	$\mu$ W
Aging	Fa	AT 25°C,per year	-5.0		+5.0	ppm

\*Operating temperature range: -20°C to +70°C option

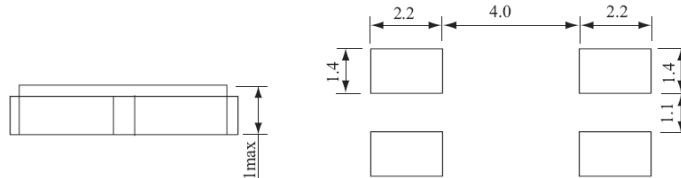
### Equivalent Series Resistance(ESR) and Mode of Vibration(Mode)

Frequency Range	Max ESR( $\Omega$ )	Mode
9.8304MHz to 15.999MHz	60	Fundamental
16.000MHz to 39.999MHz	40	Fundamental
40.000MHz to 83.999MHz	60	3 <sup>rd</sup> Overtone
84.000MHz to 100.000MHz	80	3 <sup>rd</sup> Overtone

### Mechanical Dimensions(mm)



### Recommended Solder Pattern



### CX75-A20C18-25M000

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