

CX6S Series

Electrical Specifications

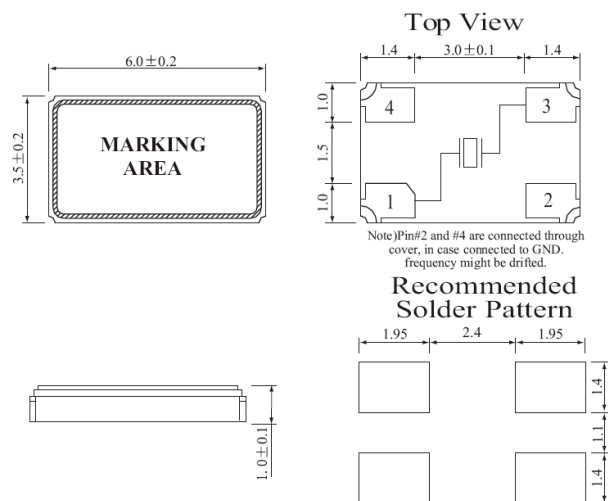
Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	F ₀		10.000		80.000	MHz
Frequency Tolerance	ΔF/F ₀	AT 25 °C	± 10	± 30	± 50	ppm
Temperature Stability	T _c	REF TO 25 °C	± 10	± 30	± 50	ppm
Operating Temperature Range	T _{OPR}		-10*		+60*	°C
Storage Temperature Range	T _{STG}		-40		+85	°C
Shunt Capacitance	C ₀				7	pF
Load Capacitance	C _L	Customer specified	10		Series	pF
Insulator Resistance	I _R	100V _{DC}	500			M Ω
Drive Level	D _L			10	100	W
Aging	F _a	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 (Ω)	Mode
10.000MHz to 10.999MHz	100	Fundamental
11.000MHz to 11.999MHz	80	Fundamental
12.000MHz to 15.999MHz	60	Fundamental
16.000MHz to 39.999MHz	40	Fundamental
40.000MHz to 80.000MHz	70	3 rd Overtone

Mechanical Dimensions(mm)



CX6S-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					