

CX5F Series

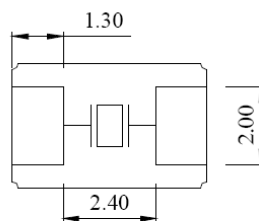
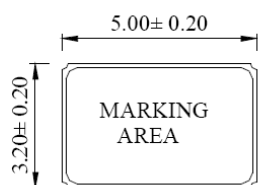
Electrical Specifications

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	F ₀		12		54	MHz
Frequency Tolerance	ΔF/ F ₀	AT25℃	±30	±50	±100	ppm
Temperature Stability	T _C	REF TO 25℃	±30	±50	±100	ppm
Operating Temperature Range	T _{OPR}		-10		+70	℃
Storage Temperature Range	T _{STG}		-40		+85	℃
Shunt Capacitance	C ₀				7	pF
Load Capacitance	C _L	Customer Specified	8		Series	pF
Insulator Resistance	I _R	100V _{DC}	500			MΩ
Drive Level	D _L		10	100	300	uW
Aging(at 25℃)	F _a	AT25℃,per year	-5.0		+5.0	ppm

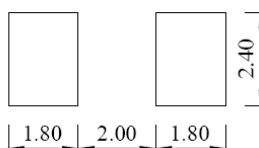
Equivalent Series Resistance(ESR) and Mode of Vibration(Mode)

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)



Recommended Solder Pattern



CX5F-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℃	00=series	25M000=25.000MHz
HC49SX	B=±20ppm	20=±20ppm	B=-20 to +70℃	10=10pF	32K768=32.768KHz
CX32	C=±30ppm	30=±30ppm	C=-40 to +85℃	18=18pF	
CX42	D=±50ppm	50=±50ppm	D=-40 to +105℃	32=32pF	
CX5F	E=±100ppm	00=±100ppm			
CX5S					
CX6F					
CX6S					
CX75					
CX84					