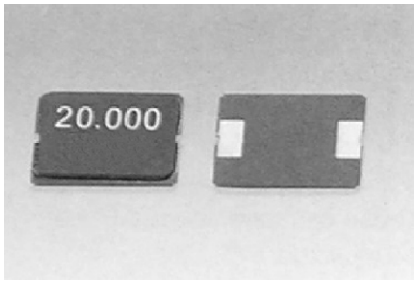
HCX-5SA

Surface Mount Crystal



HCX-5SA SERIES 5.2X 3.2X 1.2MM

The 5FA crystal is a ultra miniature ceramic package SMD type. The height is less than 1.4mm and fundamental till 54MHz that allows is ease of circuit design. Excellent electric performance optimum for OA and AV application.

FEATURES

- Ultra-miniature size
- Fundamental till 54MHz
- Wide Frequency Range
- Ceramic package
- Emboss taping
- Reflow soldering

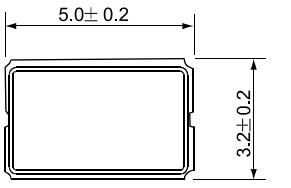
Electrical Specifications

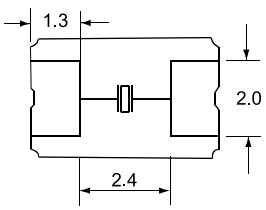
Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	F_O		12		54	MHz
Frequency Tolerance at 25℃	△F/ Fo	25℃	±30	±50	±100	ppm
Temperature Stability	T_C	REF TO 25℃	±30	±50	±100	ppm
Operating Temperature Range	T_{OPR}		-10		+70	℃
Storage Temperature Range	T_{STG}		-40		+85	℃
Shunt Capacitance	C_O				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	μW
Aging(at 25℃)	Fa	AT 25℃,per year	-5.0		+5.0	ppm

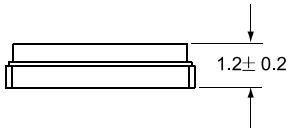
Equivalent Series Resistance(ESR) and Mode of Vibration(Mode)

Frequency Range	Max ESR(Ω)	Mode
12.000MHz to 19.999MHz	120	Fundamental
20.000MHz to 29.999MHz	70	Fundamental
30.000MHz to 54.000MHz	50	Fundamental

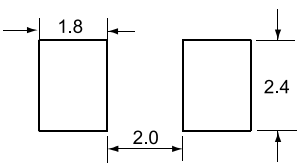
Mechanical Dimensions(mm)







Recommended Solder Pattern



Ordering Information

