

FCom Quartz Crystal Resonator

Series FSX-1M

SMD Crystal Resonator 1.6x1.2 mm



Feature

- Industry Standard Package: 1.6*1.2*0.33mm
- High reliable environmental performance
- High precision and high reliability
- RoHS and REACH Compliant , Pb-free

Application

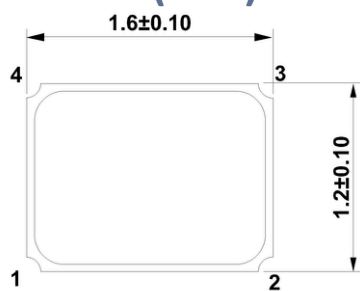
- Wearable devices
- Wi-Fi and BT or other wireless module
- IoT devices
- Smart phone
- Space limited application

ELECTRICAL SPECIFICATIONS

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes
Nominal Frequency	F	24 ~ 60			MHz	Test condition Ambient temperature: $25 \pm 5^{\circ}\text{C}$ Relative humidity: $40\% \sim 70\%$
Frequency Tolerance	FT	± 5			ppm	
Frequency Stability Over Operating Temp. Range (Reference 25°C)	ST	± 15			ppm	
		± 30			ppm	
		± 80			ppm	
Operating Temperature	Topr	-40	25	125	$^{\circ}\text{C}$	
Load Capacitance	CL	6 , 10, 18 or specify			pF	
Drive Level	DL	-	10	200	μW	
Equivalent Series Resistance	ESR	-	-	60	Ohm	24~38.4MHz
		-	-	40		38.4~48MHz
		-	-	30		>48MHz
Aging	-	± 3			ppm	1st Year

Note : The table shows common spec. if you have special spec. requirement , please feel free to contact our salesperson.

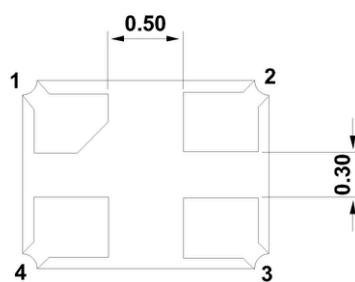
DIMENSION(mm)



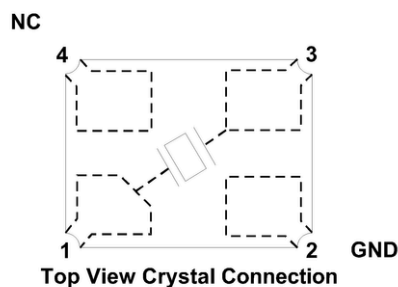
Top View



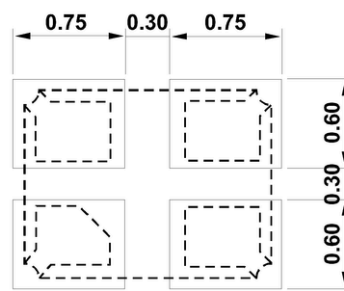
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout