

FCom Quartz Crystal Resonator

Series FCX-5M-A

AEC-Q200 Automotive Crystal Resonator 5.0x3.2 mm



Feature

- Size 5.0×3.2, thickness 0.90mm
- High precision and high frequency stability
- Excellent heat resistance and environmental characteristics
- RoHS and REACH Compliant, Pb-free
- AEC-Q200 Compliant

Application

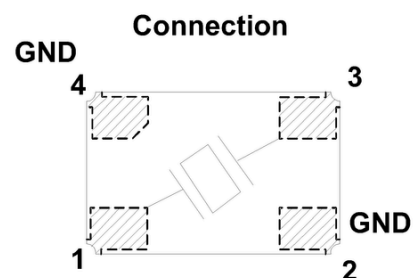
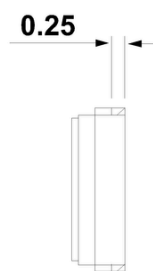
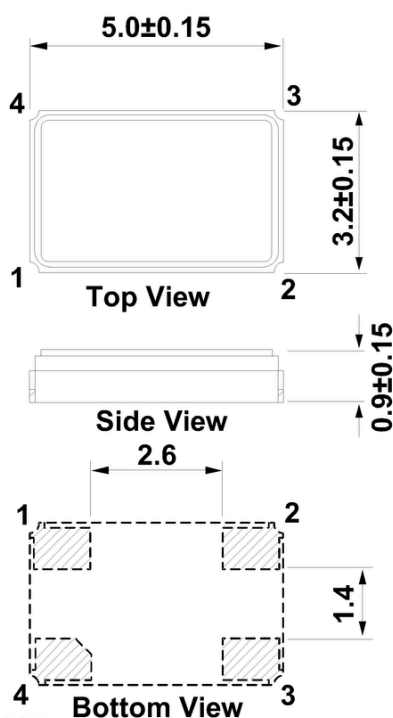
- Automotive Wireless Communication
- In-Vehicle Infotainment system
- Camera, Radar, Lidar, TPMS, Smart Key
- Battery Management System, Body Control
- Power steering, Breaking System, Engine Control

ELECTRICAL SPECIFICATIONS

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes	
Nominal Frequency	F	8 ~ 54			MHz		Test condition Ambient temperature : 25 ± 5°C Relative humidity : 40% ~ 70%
Frequency Tolerance	FT	± 10			ppm	@25°C	
Frequency Stability Over Operating Temp. Range (Reference 25°C)	ST	± 50			ppm	@-40~125°C	
Operating Temperature	Topr	-40	25	125	°C		
Load Capacitance	CL	6 , 10, 18 or specify			pF		
Drive Level	DL	-	10	100	uW		
Equivalent Series Resistance	ESR	-	-	100	Ohm	8~20MHz	
		-	-	80		20~26MHz	
		-	-	50		26~54MHz	
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)



Suggested Layout

