FCom Tuning Fork Crystal

Series FCT-3M-LC

Low CL 32.768 kHz Crystal 3.2×1.5 mm

Feature

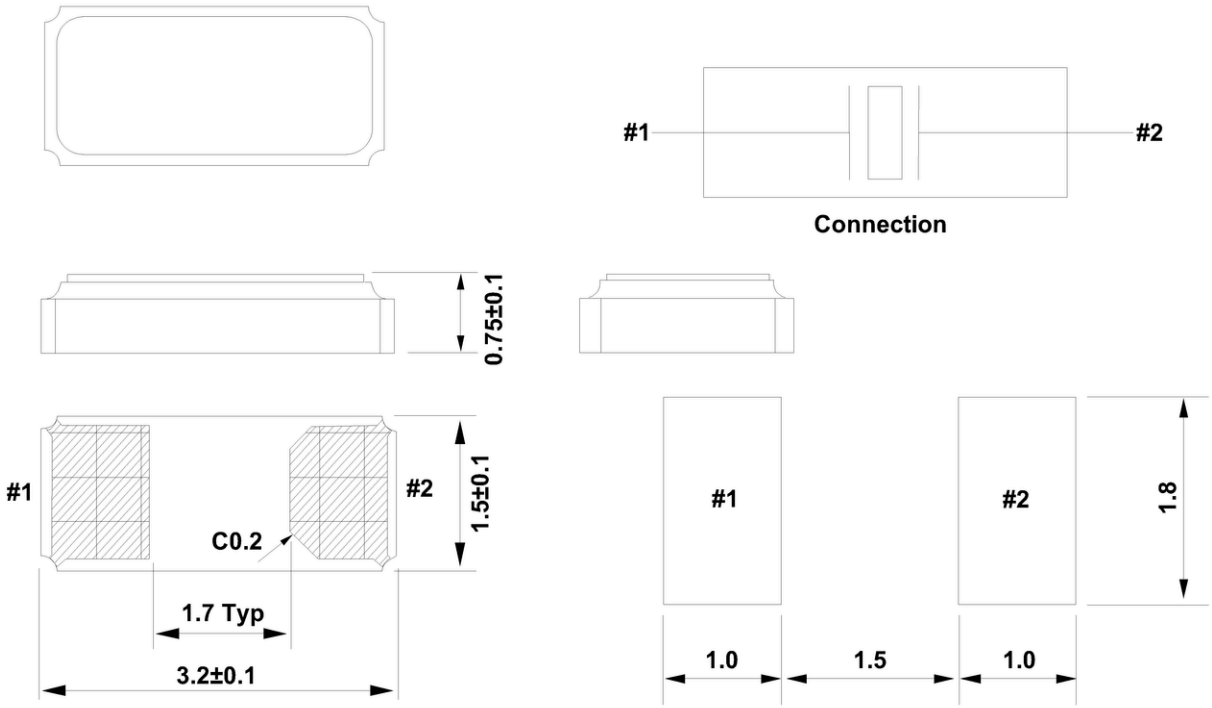
- Ultra small size 3.2×1.5×0.75mm
- High reliability environmental performance
- High frequency stability and high precision
- RoHS and REACH Compliant , Pb-free

Application

- Consumer products
- System in sleep mode or
- low energy mode Timekeeping
- Communication devices

ELECTRICAL SPECIFICATIONS

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes	
Nominal Frequency	F		32.768		kHz		Test condition Ambient temperature: 25 ± 5°C Relative humidity: 40% ~ 70%
Frequency Tolerance (at 25℃)	FT		± 20, ± 30		ppm	@-40~95°C	
			± 20, ± 30		ppm	@-40~105°C	
			± 20, ± 30		ppm	@-40~125°C	
Operating Temperature	Topr	-40	25	125	°C		
Load Capacitance	CL		3		pF		
Drive Level	DL	-	0.1	0.5	uW		
Equivalent Series Resistance	ESR	-	-	70	Kohm		
Shunt Capacitance	C0		1.6		pF		
Temperature Coefficient	-		-0.036±0.005		ppm/T²		
Insulation Resistance	-	500	-	-	Mohm	DC100V±15V	
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)