

FCom Tuning Fork Crystal

Series FCT-1M

SMD 32.768 kHz Crystal 1.6×1.0 mm



Feature

- Industry Standard Package 1.6×1.0×0.5mm
- High reliability environmental performance
- High frequency stability and high precision
- RoHS and REACH Compliant , Pb-free

Application

- Real Time Clock
- System in sleep mode or low energy mode Timekeeping

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°C)	FT	± 5, ± 10, ± 20			ppm	
		± 10, ± 20, ± 30			ppm	
		± 10, ± 20, ± 30			ppm	
Operating Temperature	Topr	-40	25	125	°C	
Load Capacitance	CL	6, 7, 9, 12.5 or specify			pF	
Drive Level	DL	-	0.5	0.5	uW	
Equivalent Series Resistance	ESR	-	-	90	Kohm	
Shunt Capacitance	C0	1.3			pF	
Temperature Coefficient	-			-0.04	ppm/T ²	
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)

