

Tuning Fork Crystal Unit (SMD / Plastic Package)

RoHS Compliance

CM200C - CM250C

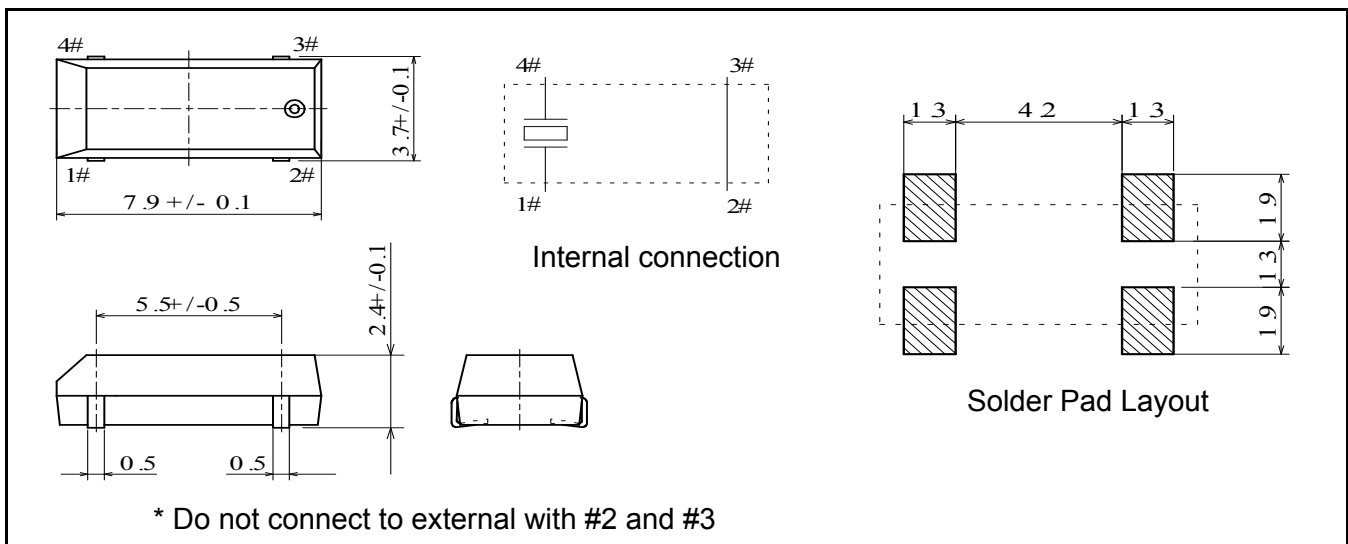
(3,000pcs / reel)



■ Feature

- Excel at moisture resistance.
- Embedded with heat resistant cylinder type crystal bring highly stable characteristics.
- Automatic mounting and reflowable type.
- Most appropriate for clock source for portable with low power consumption.

■ Dimensions (mm)



■ Standard Specifications

Item	Model	CM200C	CM250C	Conditions
Nominal frequency	f ₀	32.768kHz	30kHz~100kHz	
Frequency tolerance	Δf/f ₀	+/- 20ppm	+/- 30ppm	at 25 degC
Load capacitance	C _L	12.5pF		Please specify
Operating temperature range	T _{OPR}	-40 ~ +85 degC		
Storage temperature range	T _{STR}	-55 ~ +125 degC		
Turnover temperature	T _M	25 +/- 5 degC		
Temperature coefficient	β	-0.034 +/- 0.006ppm/degC ²		
Motional (series) resistance	R ₁	50K Ohm Max.		at 25 degC
Level of drive	DL	1μW Max.		
Aging (first year)	Δf/f ₀	+/- 3ppm Max.	+/- 5ppm Max.	25 degC +/- 3degC
Quality factor	Q	70,000 Typ.	70,000 ~ 100,000Typ.	
Shunt capacitance	C ₀	1.35pF Typ.	0.8pF ~ 1.7pF Typ.	