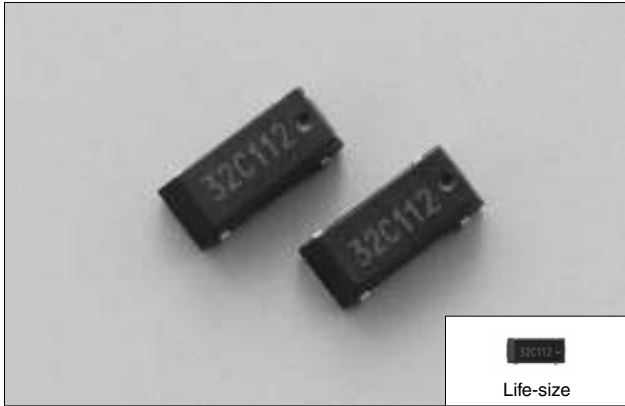


**TUNING FORK CRYSTAL UNITS (SMD • Plastic Package)**

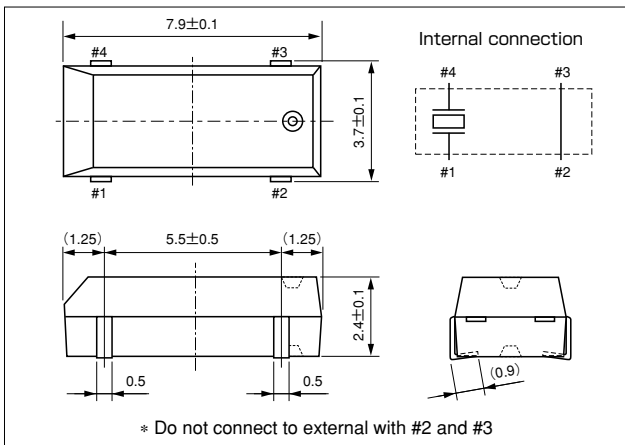
RoHS compliant **CM200C • CM250C** 3000pcs/reel



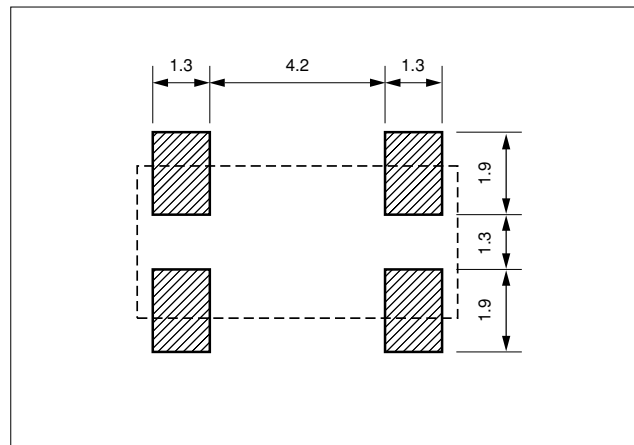
**FEATURES**

- Molding a heat resistant cylinder with resin.
- Most appropriate for clock source for portable equipment with low power consumption.

**DIMENSION [mm]**



**SOLDER PAD LAYOUT [mm]**



**STANDARD SPECIFICATIONS**

Item	Model	CM200C	CM250C	Conditions
Nominal Frequency	f <sub>0</sub>	32.768kHz	30kHz~100kHz	Need to contact us for the available frequency in CM250C
Frequency Tolerance	Δ f/f <sub>0</sub>	±20ppm	±30ppm	at 25°C
Load capacitance	C <sub>L</sub>	12.5pF		Need to specify your requirement
Operating Temperature Range	T <sub>OPR</sub>	-40°C~+85°C		
Storage Temperature Range	T <sub>STR</sub>	-55°C~+125°C		
Turnover Temperature	T <sub>M</sub>	25°C±5°C		
Temperature Coefficient	β	-0.034±0.006ppm/°C <sup>2</sup>		
Motional (series) resistance	R <sub>1</sub>	50KΩ Max.		at 25°C
Level of drive	D <sub>L</sub>	1 μW Max.		
Aging (first year)	Δ f/f <sub>0</sub>	±3ppm Max.	±5ppm Max.	25°C±3°C
Shunt capacitance	C <sub>0</sub>	1.35pF Typ.	0.8pF ~ 1.7pF Typ.	Depend on frequency