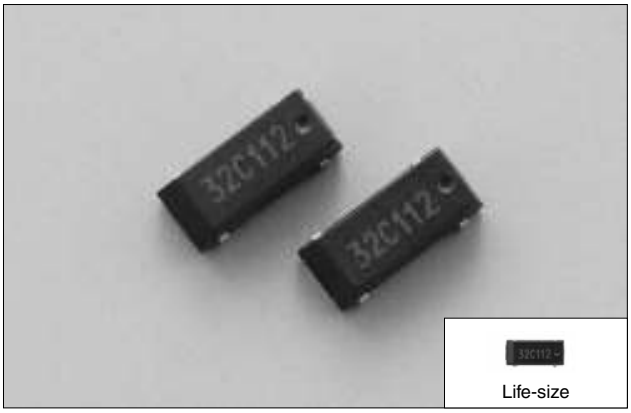
TUNING FORK CRYSTAL UNITS (SMD • Plastic Package)

CITIZEN Micro HumanTech

RoHS compliant

CM200C • CM250C

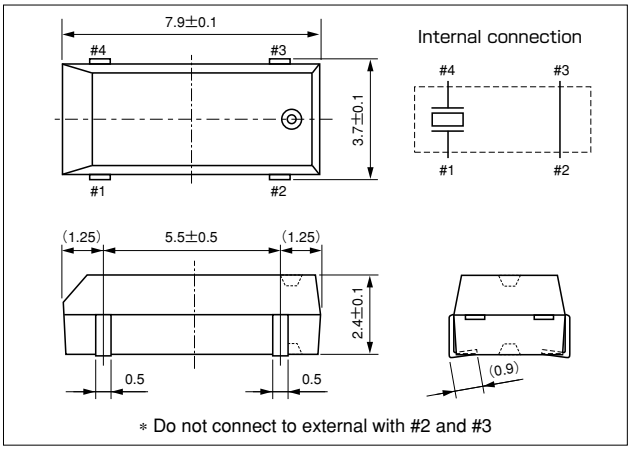
3000pcs/reel



■ FEATURES

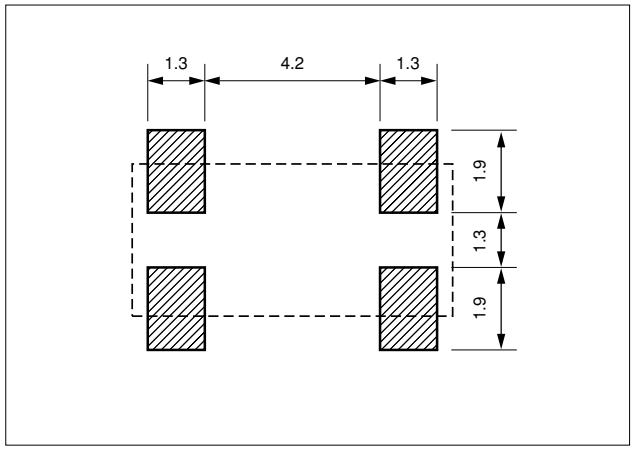
- Molding a heat resistant cylinder with resin.
- Most appropriate for clock source for portable equipment with low power consumption.

■ DIMENSION [mm]



∗ Do not connect to external with #2 and #3

■ SOLDER PAD LAYOUT [mm]



■ STANDARD SPECIFICATIONS

Item / Model		CM200C	CM250C	Conditions
Nominal Frequency	f_0	32.768kHz	30kHz～100kHz	Need to contact us for the available frequency in CM250C
Frequency Tolerance	$\triangle f/f_0$	±20ppm	±30ppm	at 25℃
Load capacitance	C_L	12.5pF		Need to specify your requirement
Operating Temperature Range	T_{OPR}	−40℃～+85℃		
Storage Temperature Range	T_{STR}	−55℃～+125℃		
Turnover Temperature	T_M	25℃±5℃		
Temperature Coefficient	β	−0.034±0.006ppm/℃^{2}		
Motional (series) resistance	R_1	50KΩMax.		at 25℃
Level of drive	D_L	1 μW Max.		
Aging (first year)	$\triangle f/f_0$	±3ppm Max.	±5ppm Max.	25℃±3℃
Shunt capacitance	C_0	1.35pF Typ.	0.8pF ～ 1.7pF Typ.	Depend on frequency

http://cfm.citizen.co.jp/english/product/pr02.html