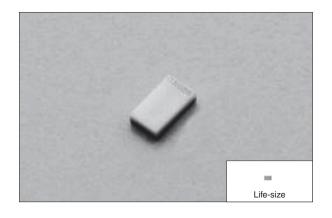


# TUNING FORK CRYSTAL UNIT (SMD · Ceramic Package)

**RoHS compliant / Pb free** 

# **CM212**

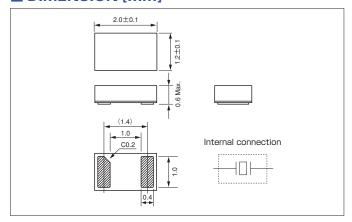
3000pcs/reel



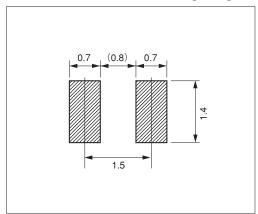
#### **■ FEATURES**

- Tuning fork crystal with in-house ceramic.
- High-density SMD type
   Ultra-light weight with ultra-miniature packaging.
   High-stability assured with tight vacuum sealing.
- Most appropriate for portable devices and mobile telecommunications devices.

## **■ DIMENSION [mm]**



## ■ SOLDER PAD LAYOUT [mm]



#### **■ STANDARD SPECIFICATIONS**

Item	Model	CM212	Conditions
Nominal Frequency	fo	32.768kHz	
Frequency Tolerance	△ f/fo	±20ppm	at 25°C
Load capacitance	CL	12.5pF	Need to specify your requirement
Operating Temperature Range	Topr	−40°C∼+85°C	
Storage Temperature Range	Tstr	−55°C~+125°C	
Turnover Temperature	Тм	25℃±5℃	
Temperature Coefficient	β	−0.04ppm/°C² Max.	
Motional (series) resistance	R <sub>1</sub>	90K Ω Max.	at 25°C
Level of drive	DL	0.5 μ W Max.	
Aging (first year)	△ f/fo	±3ppm Max.	25℃±3℃
Shunt capacitance	Co	1.7pF Typ.	