

# TUNING FORK CRYSTAL UNIT (SMD · Ceramic Package)

RoHS compliant / Pb free

# **CM315E**

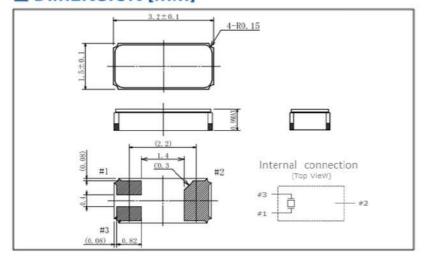
3000pcs/reel



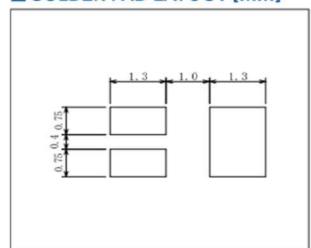
#### **■ FEATURES**

- Tuning fork crystal with ceramic packaged type.
- High flexibility in layout design of PCB.
- Lid cover connected to GND.
- Most appropriate for portable devices and noise sensitive products.
- Low motional resistance  $50k\Omega$  max. available. (CM315EL series )

## ■ DIMENSION [mm]



## ■ SOLDER PAD LAYOUT [mm]



#### STANDARD SPECIFICATIONS

Item	Model	CM315E	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°C±5°C	
Temperature Coefficient	β	−0.034±0.006ppm/°C²	
Motional (series) resistance	Rı	70K Ω Max.	at 25°C
Level of drive	DL	1 μW Max.	
Aging (first year)	△ f/fo	±3ppm Max.	25℃±3℃
Shunt capacitance	Co	0.75pF Typ.	