

# TUNING FORK UNIT

## CSF-3215



### Applications

- Bluetooth, DVBS, WLAN
- Automotive

### Features

- Dimensions (3.2×1.5×0.9)
- High reliability which adopted vacuum seal
- Reflow Soldering
- Excellent shock and heat resistance.
- Conforms to AEC-Q200

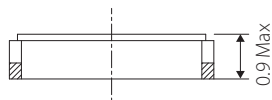
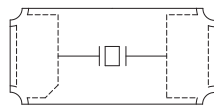
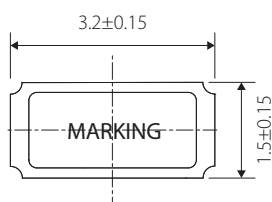
### Specifications



Model	CSF-3215
Nominal frequency range	32.768KHz
Storage temperature range	-55 ~ +125°C
Operating temperature range	-40 ~ +125°C
Frequency tolerance (at +25°C)	$\pm 20 \times 10^{-6}$
Load capacitance	6pF, 7pF, 9pF, 12.5pF
Equivalent series resistance	80 k $\Omega$ Max.
Shunt capacitance	1.1 pF Typ.
Motional capacitance	4.7 fF Typ.
Turnover Temperature	+25°C $\pm$ 5°C
Parabolic Coefficient	-0.04 ppm / °C <sup>2</sup> Max.
Level of drive	0.1 $\mu$ W (0.5 $\mu$ W Max.)
Aging	$\pm$ 3ppm / Year

Package quantity: 9,000pcs max./Reel.

### Outline and Dimensions [unit:mm]



Land Pattern(REFERENCE)

