

## Features

- Plastic molded 32.768kHz SMD crystal unit for heat resistance
- High precision and tight reliability
- Small size with 3.8×8.0×2.4 mm
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Applications: *Smart Communication Devices, Clock, MCU, etc.*
- RoHS Compliant



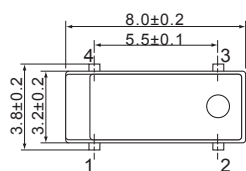
## Standard Specifications

Type	6LC Series SMD Crystal
Frequency Range	32.768 kHz
Frequency Tolerance	±20ppm, or specify
Load Capacitance	6pF, 12.5pF, or specify
Operating Temperature Range	-40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Drive Level	1.0μW Max.
Turnover Temperature	±25°C±5°C
Parabolic Coefficient	$(-0.034 \pm 0.005) \times 10^{-6}/^{\circ}\text{C}^2$
Shunt Capacitance	1.3pF Typ.
Aging (at 25°C)	±3ppm at first year
Packing Unit	3000pcs./Reel

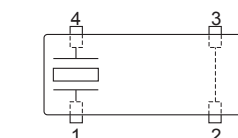
## Equivalent Series Resistance

Fundamental	
32.768 kHz	50kΩ Max.

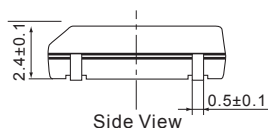
## Dimensions [mm]



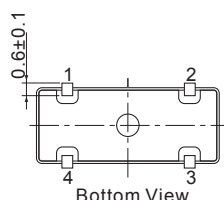
Top View



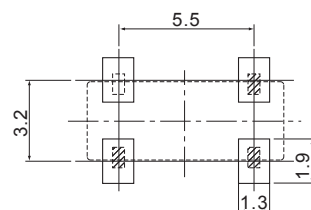
Top View Crystal Connection



Side View



Bottom View



Top View Suggested Layout