## **Features**

- 3215 size ultra miniature and lightweight with a low profile of 0.75mm
- High precision and reliability
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Applications: Smartphone, Wave Clock, Mobile Communications, Automotive, etc.
- RoHS Compliant & Pb Free





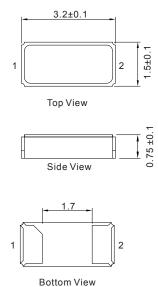
## Standard Specifications

7L Series SMD Crystal
32.768 kHz
±20ppm
6pF, <b>7pF</b> , 9pF, 12.5pF, or specify
-40~+85°C, or specify
-55~+125°C
1.0µW Max.
±25°C±5°C
(-0.03±0.01)×10 <sup>-6</sup> /°C <sup>2</sup>
1.0pF Typ.
±3ppm at first year
3000pcs./Reel

## **Equivalent Series Resistance**

Funda	amental
768 kHz	70kΩ Max.

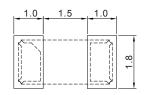
## Dimensions [mm]



32.



Top View Crystal Connection



Top View Suggested Layout