32.768kHz Crystal

## **Features**

- Plastic molded 32.768kHz SMD crystal unit of heat resistance
- High precision and reliability
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Application for Smart Communication Devices, PDA, Game equipment, Smart Factory, etc.
- RoHS Compliant





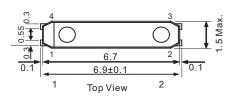
## Standard Specifications

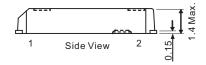
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Туре	7M Series SMD Crystal
Frequency Range	32.768 kHz
Frequency Tolerance	±20ppm
Load Capacitance	9pF, 12.5pF, or specify
Operating Temperature Range	-40~+85°C, or specify
Storage Temperature Range	-55~+125℃
Drive Level	1.0μW Max.
Turnover Temperature	±25°C±5°C
Parabolic Coefficient	(-0.035±0.005)×10 <sup>-6</sup> /°C <sup>2</sup>
Shunt Capacitance	0.8pF Typ.
Aging (at 25°C)	±3ppm at first year
Packing Unit	3000pcs./Reel

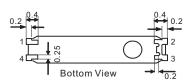
## **Equivalent Series Resistance**

Fundamental	
32.768 kHz	65kΩ Max.

## Dimensions [mm]

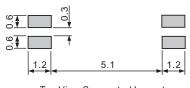








Top View Crystal Connection



Top View Suggested Layout