

Features

- Plastic Molded 32.768kHz SMD Crystal for Heat Resistance
- High Precision and Reliability
- High Reliable Environmental Performance
- Automatic Mounting and Reflow Soldering
- Applications: Smart Communication Devices, PDA, Game Equipment, Smart Factory
- RoHS Compliant



Standard Specifications

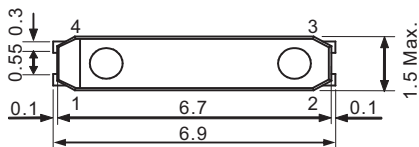
| Type | 7M Series SMD Crystal |
|-----------------------------|--|
| Frequency Range | 32.768 kHz |
| Frequency Tolerance | ±20ppm |
| Load Capacitance | 9pF, 12.5pF, or specify |
| Operating Temperature Range | -40 to +85°C, or specify |
| Storage Temperature Range | -55 to +125°C |
| Drive Level | 1.0μW Max. |
| Turnover Temperature | ±25°C±5°C |
| Parabolic Coefficient | $(-0.035 \pm 0.005) \times 10^{-6} / ^\circ\text{C}^2$ |
| Shunt Capacitance | 0.8pF Typ. |
| Aging (at 25°C) | ±3ppm at first year |
| Packing Unit | 3000pcs./Reel |

Equivalent Series Resistance

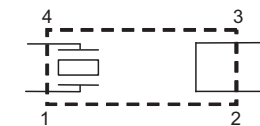
| Fundamental | |
|-------------|-----------|
| 32.768 kHz | 65kΩ Max. |

Dimensions

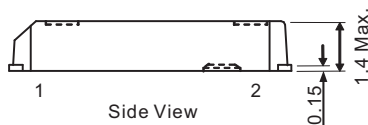
Units: mm Tolerance: ±0.1



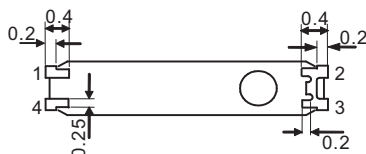
Top View



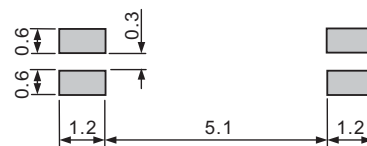
Top View Crystal Connection



Side View



Bottom View



Top View Suggested Layout