

RoHS
Compliant



Applications

Smart Communication Devices, Clock, MCU, etc.

Features

- Plastic molded 32.768kHz SMD crystal unit for heat resistance
- High precision and tight reliability
- Small size with 3.8mm × 8mm × 2.4mm
- High reliable environmental performance
- Automatic mounting and reflow soldering

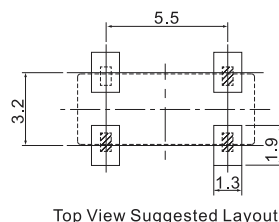
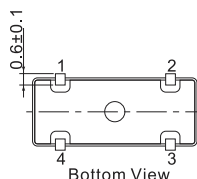
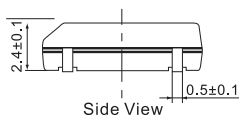
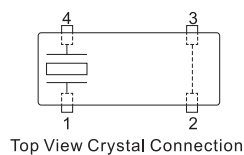
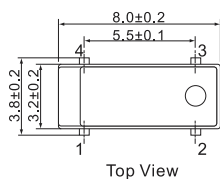
Specifications

| | |
|-----------------------------|--|
| Frequency Range | : 32.768 kHz |
| Frequency Tolerance | : ±20ppm, or specify |
| Load Capacitance | : 6pF, 12.5pF, or specify |
| Operating Temperature Range | : -40°C to +85°C, or specify |
| Storage Temperature Range | : -55°C to +125°C |
| Drive Level | : 1μW 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 |

Fundamental

| | |
|------------|-------------|
| 32.768 kHz | : 50kΩ Max. |
|------------|-------------|

Dimensions



Dimensions : Millimetres

Part Number Table

| Description | Part Number |
|---|------------------------------|
| Crystal, 32.768KHz, 12.5PF, 8mm × 3.8mm | MPJK-6LC-32.768-12.5-20-40-C |
| Crystal, 32.768KHz, 6PF, 8mm × 3.8mm | MPJK-6LC-32.768-6-20-40-C |

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