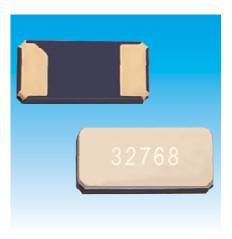
32.768kHz SMD Crystal Units

Size: 3.2×1.5×0.75 mm

7L Series 32.768kHz SMD Crystal Units

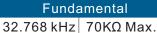
Features

- 3215size ultra miniature and lightweight with a low profile of 0.75mm.
- High precision and reliability
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Application for Smart phone, Wave clock, Mobile communications, automotive, etc.
- RoHS Compliant /Pb Free

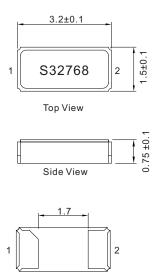


| Standard Specification | |
|-----------------------------|--|
| Item /Type | 7L (7L Series 32.768kHz SMD Crystal Units) |
| Frequency Range | 32.768 kHz |
| Frequency Tolerance | ±20ppm, or specify |
| Load Capacitance | 6pF, 9pF, 12.5pF, or specify |
| Operating Temperature Range | -40~+85°C, or specify |
| Storage Temperature Range | -55~+125°C |
| Drive Level | 1.0µW Max. |
| Turnover Temperature | ±25°C±5°C |
| Parabolic Coefficient | (-0.03±0.01)×10 ⁻⁶ /°C ² |
| Shunt Capacitance | 1.0pF Typ. |
| Aging (at 25°C) | ±3ppm at first year |
| Packing Unit | 3000pcs./Reel |

Equivalent Series Resistance



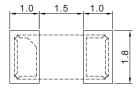
Dimensions [mm]







Top View Crystal Connection



Top View Suggested Layout