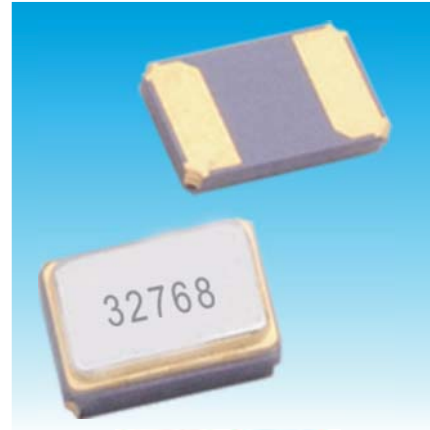


### Features

- 0.5 mm High for Compact Circuit Boards
- Grounded Case for Low Noise Applications
- Seam Sealed for a Reliable Environmental Performance
- T&R Packaging for Automatic Mounting
- Applications: Smartphone, RTC, Communications, Automotive, Smart Meter, IoT
- RoHS Compliant & Pb Free



Type	7K Series SMD Crystal
Frequency Range	32.768 kHz
Frequency Tolerance	±10ppm, ±20ppm
Load Capacitance	6pF, 7pF, 9pF, 12.5pF
Operating Temperature Range	-40 to +85°C, -55 to +125°C, or specify
Storage Temperature Range	-55 to +125°C
Drive Level	0.5μW Max.
Turnover Temperature	±25°C±5°C
Parabolic Coefficient	$(-0.03 \pm 0.01) \times 10^{-6} / ^\circ\text{C}^2$
Shunt Capacitance	1.3pF Typ.
Aging (at 25°C)	±3ppm at first year
Packing Unit	3000pcs. or 5000pcs./Reel

### Equivalent Series Resistance

Fundamental

32.768 kHz | 90kΩ Max.

### Dimensions

Units: mm Tolerance: ±0.1

