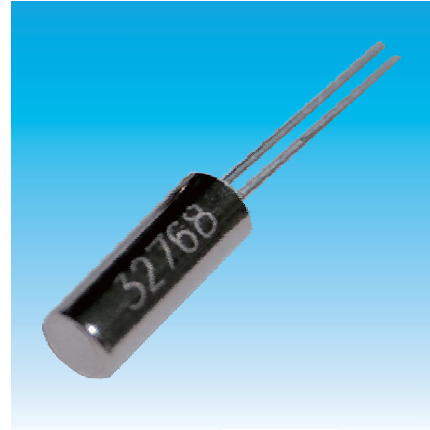


### Features

- Tuning fork crystal of lead formed heat-resistance.
- Frequency range from 30kHz to 1350kHz
- Small size with 2.0×6.0 and 3.0×8.0 mm
- High reliable environmental performance
- Low power consuming
- Application: *Clock, Smart Metering, IoT, Consumer Products, PC, MCU, etc.*
- RoHS Compliant



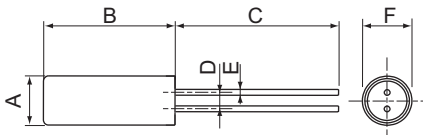
### Standard Specification

| Item / Type                 | 6K6 / 6K8 Series kHz                                   |
|-----------------------------|--|
| Frequency Range             | 32.768 kHz (30~350 kHz)                                |
| Frequency Tolerance         | ±20~±100ppm, or specify                                |
| Load Capacitance            | 6pF~12.5pF, or specify                                 |
| Operating Temperature Range | -20~+70°C, or specify                                  |
| Storage Temperature Range   | -55~+125°C   |
| Drive Level                 | 1.0μW Max.   |
| Turnover Temperature        | ±25°C±5°C  |
| Parabolic Coefficient       | $(-0.034 \pm 0.006) \times 10^{-6} / ^\circ\text{C}^2$ |
| Shunt Capacitance           | 1.5pF Typ.   |
| Aging (at 25°C)             | ±3ppm/year Max.  |
| Packing Unit                | 1000pcs.   |

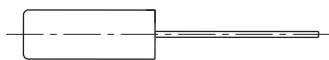
### Equivalent Series Resistance

| Fundamental |           |
|-------------|-----------|
| 30~350 kHz  | 50kΩ Max. |

### Dimensions [mm]



| Size | A    | B     | C      | D       | E       | F        |
|------|------|-------|--------|---------|---------|----------|
| 2×6  | Ø2.0 | 6±0.3 | 6±0.3  | 0.7±0.2 | 0.2±0.1 | Ø2.0±0.1 |
| 3×8  | Ø3.0 | 8±0.3 | 10±0.3 | 1.1±0.2 | 0.3±0.1 | Ø3.0±0.1 |



**NOTE 1:** Use tweezers if leads need to be bent.

**NOTE 2:** Soldering the cylinder body can deteriorate the crystal characteristics and should be avoided. Use rubber adhesive instead or leave without soldering.