

## 6K | Ø2×6 mm, Ø3×8mm Through-hole 32.768kHz Crystal

### 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



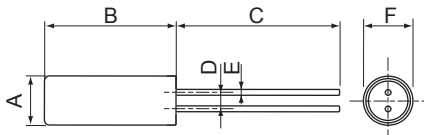
### Standard Specification

Type	6K Series Though-hole Crystal
Frequency Range	32.768 kHz (30~350 kHz)
Frequency Tolerance	±20ppm, 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.

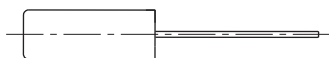
### Equivalent Series Resistance

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.