

32.768kHz SMD Crystal Units

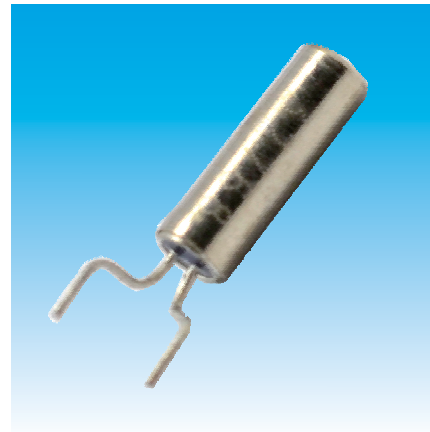


Size: 2.0×6.0×2.60 mm

6LB Series kHz SMD Crystal Units

Features

- SMD tuning fork crystal of lead formed heat resistance
- Frequency range from 30kHz to 1350kHz
- Small size with 2.0×6.0×2.6 mm
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Applications: *Clock, Smart Metering, IoT, Consumer Products, PC, MCU, etc.*
- RoHS Compliant



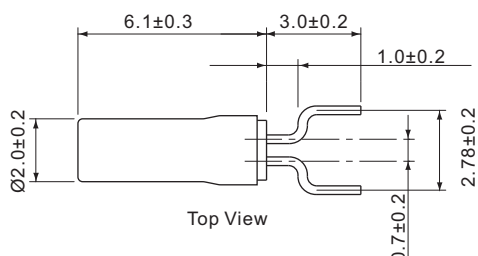
Standard Specifications

Item /Type	6LB (6LB Series kHz SMD Crystal Units)
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	$(-0.034±0.006)×10^{-6}/°C^2$
Shunt Capacitance	2.0pF Typ.
Aging (at 25°C)	±3ppm/year Max.
Packing Unit	1000pcs./Reel

Equivalent Series Resistance

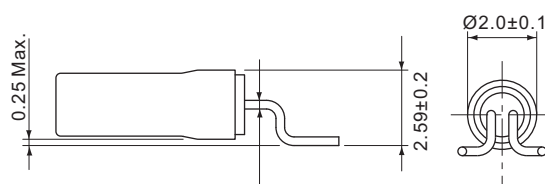
Fundamental	
32.768 kHz	50kΩ Max.

Dimensions [mm]

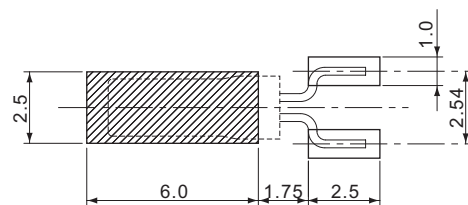


Top View

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



Side View



Top View Suggested Layout