

# Tuning Fork Crystal (3X8) TYPE



## Application of Crystal

- ▶ Radio communication
- ▶ MP3
- ▶ Office automation equipment
- ▶ Notebook
- ▶ Telephone



## Features

- ▶ High stability assured with tight vacuum sealing
- ▶ High vibration and shock resistance
- ▶ Frequency: 32.768 KHz
- ▶ Low Cost
- ▶ available
- ▶ Rohs compliant / Pb free



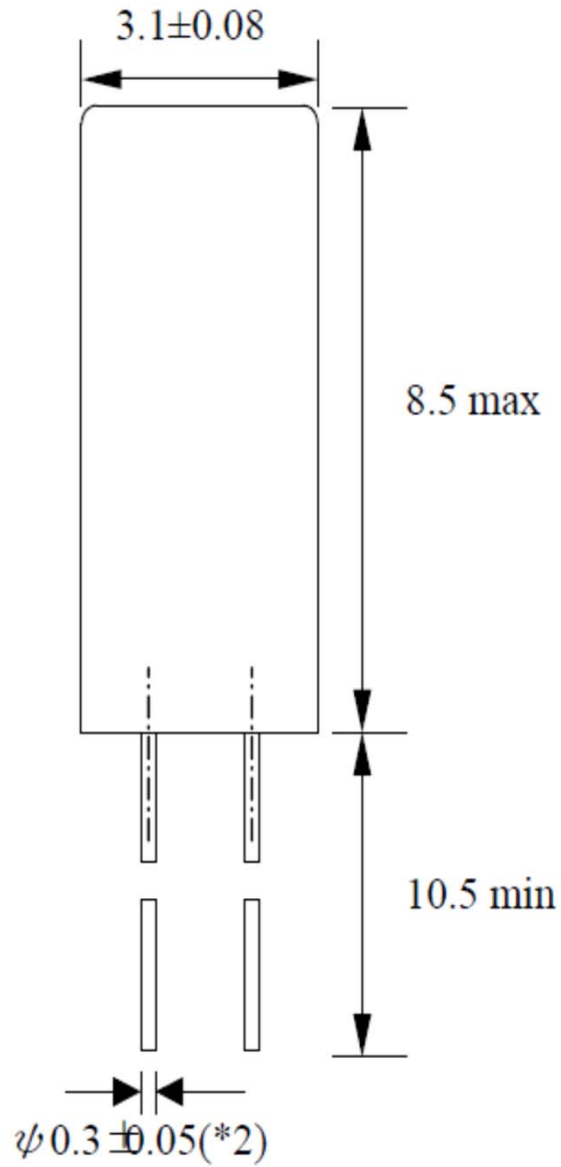
## Electrical Specification

NO	Model	Tuning Fork Crystal (3X8)
1	Frequency Range	32.768KHz
2	Frequency Tolerance at 25°C±2°C	±10 ~ ±50 ppm (TYP.)
3	Temperature Coefficient (Frequency)	±0.04 ppm ± 0.006 ppm/°C2(TYP.)
4	Operating Temp Range	±10°C~ +60°C, -20°C~ +70°C
5	Load Capacitance	12.5 pf
6	Shunt Capacitance	5 pF Max.
7	Drive Level	0.1uW ~ 1000uW(TYP: 100uW)
8	Insulation Resistance	500MΩ min / DC 100V±15V
9	Oscillation Mode	Fundamental
10	Soldering Condition	under 235°C with 5sec (Do not heat the package to more than 150°C)
11	Aging Rate	±3ppm/year

## Equivalent Series Resistance(ESR) VS Frequency

NO	Frequency (KHz)	Oscillation Mode	Tuning Fork Crystal (3X8)
1	32.768	Fundamental	55KΩ MAX

Dimensions (mm):



Recommended Land Pattern:

