Tuning Fork (3.2X1.5) SMD TYPE

■ Application of Crystal

- Radio communication
- MP3
- Office automation equipment
- Notebook
- Telphone

■ Features

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

RoHS

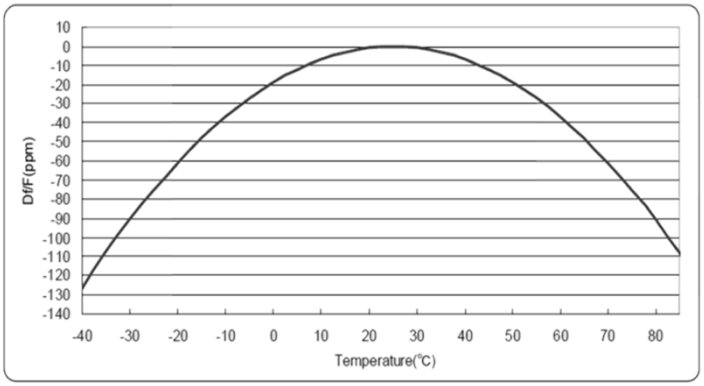
Electrical Specification

NO	Model	Tuning Fork (3.2X1.5) SMD TYPE
1	Frequency Range	32.768KHz
2	Frequency Tolerance at 25°C±5°C	±20 ~ ±50ppm (TYP.)
3	Storage temperature range	`-55 to +125°C
4	Operating Temp Range	`-40°C~ +85°C ,`-40°C~ +125°C
5	Load Capacitance	7.0,9.0,12.5 pf or specify
6	Shunt Capacitance	1.6 pF Typ
7	Drive Level	0.1uW
8	Insulation Resistance	60KΩ max / 70KΩ max
9	Motional capacitance(fF)	8.4 Typ.
10	Parabolic coefficient(/°C2)	`-0.04*10-6/°C2 max
11	Aging Rate	3x10-6/year Max

Equivalent Ser ies Resistance(ESR) VS Frequency

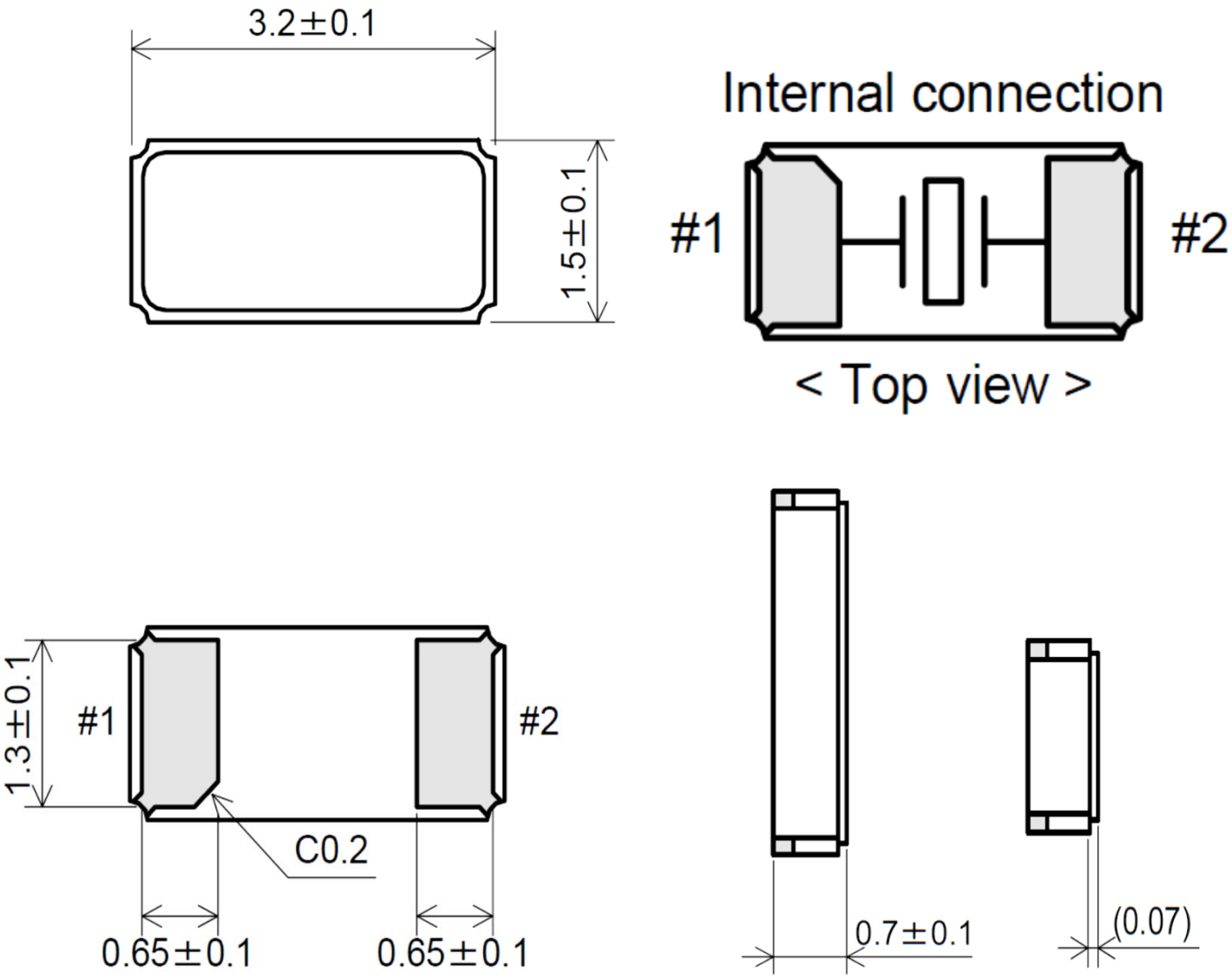
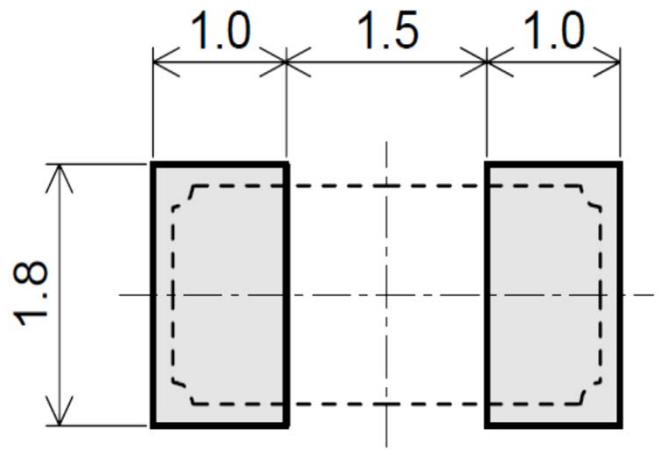
NO	Frequency (KHz)	Oscillation Mode	Tuning Fork (3.2X1.5) SMD TYPE
1	32.768	Fundamental	90KΩ MAX

An example of frequency vs temperature characteristic



Tuning Fork (3.2X1.5) SMD SIZE

Dimensions (mm):



Recommended Land Pattern (mm):