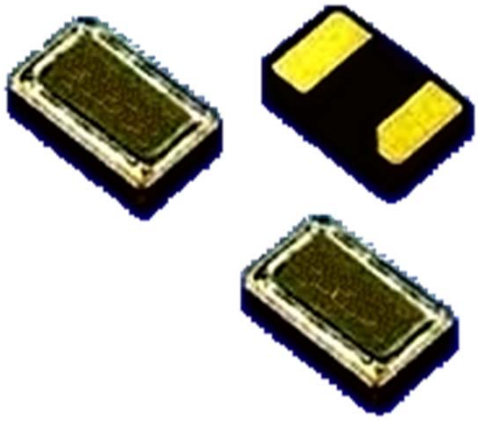
Tuning Fork (2.0X1.2) SMD SIZE

■ 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

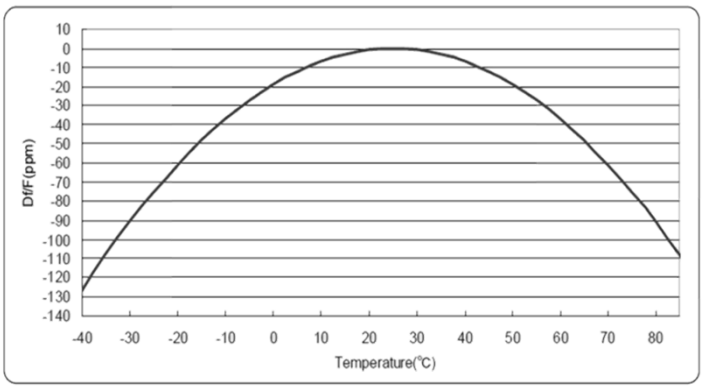
Electrical Specification

NO	Model	Tuning Fork (2.0X1.2) SMD SIZE
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 (2.0X1.2) SMD SIZE
1	32.768	Fundamental	90KΩ MAX

An example of frequency vs temperature characteristic



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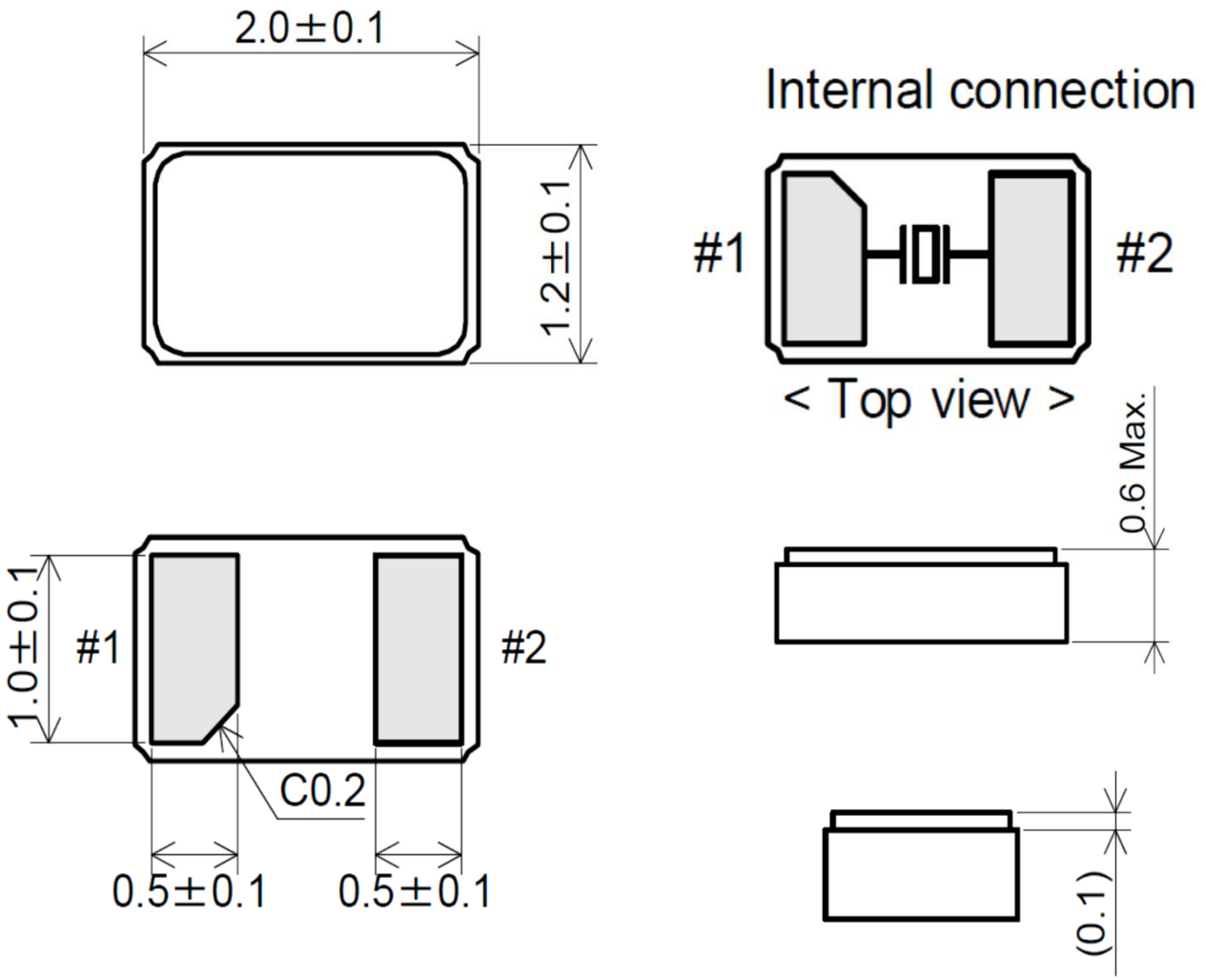
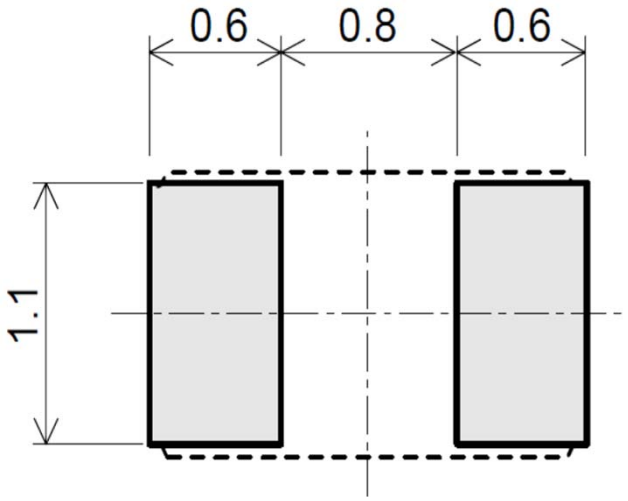
Dimensions (mm):



Recommended Land Pattern (mm):