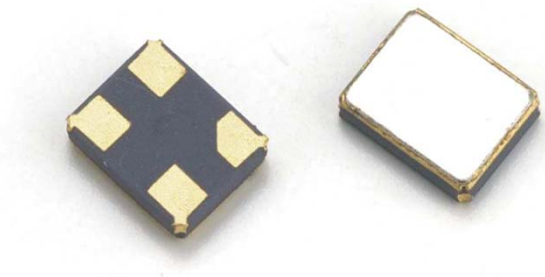
SMD TYPE CERAMIC (3x 2.5) TYPE

■ Application of Crystal

- Radio communication
- TCXO
- Office automation equipment
- GPS
- Audio-visual equipment



■ Features

- Seam welding
- Excellent solderability
- Automatic and perfect packing due to emboss taping
- Excellent vibration resistance & shock resistance
- available
- Rohs compliant / Pb free

Electr ical Specification

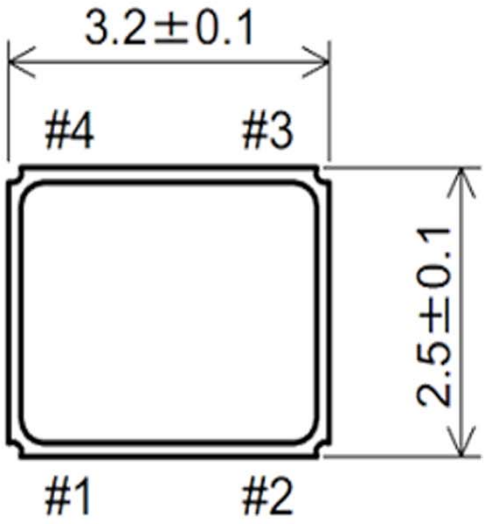
NO	Model	SMD TYPE CERAMIC (3x 2.5) TYPE
1	Frequency Range	8.0 ~ 200 MHz
2	Frequency Tolerance at 25°C	±10 ~(-20°C~ +70°C); ±30 ~(-40°C~ +85°C)
3	Operating Temperature Range	40°C~ +125°C
4	Storage Time Range	- 55°C~ +125°C
5	Load Capacitance	5 pF ~ ∞
6	Shunt Capacitance	< 3 pf
7	Drive Level	10uW ~ 200uW
8	Insulation Resistance	500MΩ At DC 200V
9	Equivalent Series Resistance (ESR)	See Table
10	Measure Instrument	S&A 250B
11	Aging (Year)	±3ppm (year)

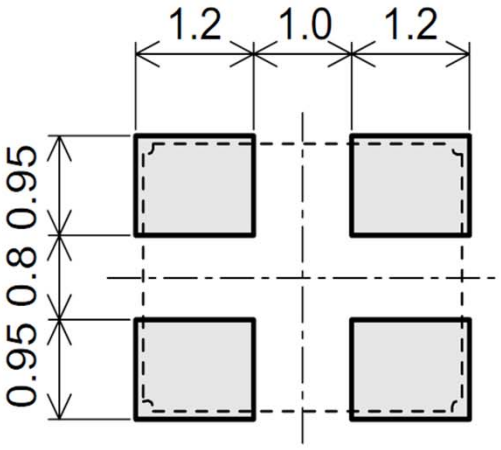
Equivalent Ser ies Resistance(ESR) VS Frequency

NO	Frequency (MHz)	Oscillation Mode	SMD TYPE CERAMIC (3x 2.5)TYPE
1	8.0 ~ 12.0	Fundamental	180Ω
2	12.1 ~ 20.0	Fundamental	80Ω
3	20.1 ~ 30.0	Fundamental	30Ω
4	30.1 ~ 54.0	Fundamental	20Ω

SMD TYPE CERAMIC (3x 2.5) TYPE

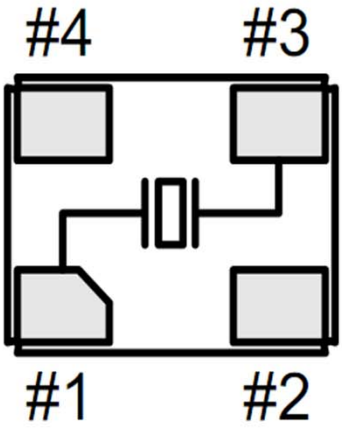
Dimensions (mm):

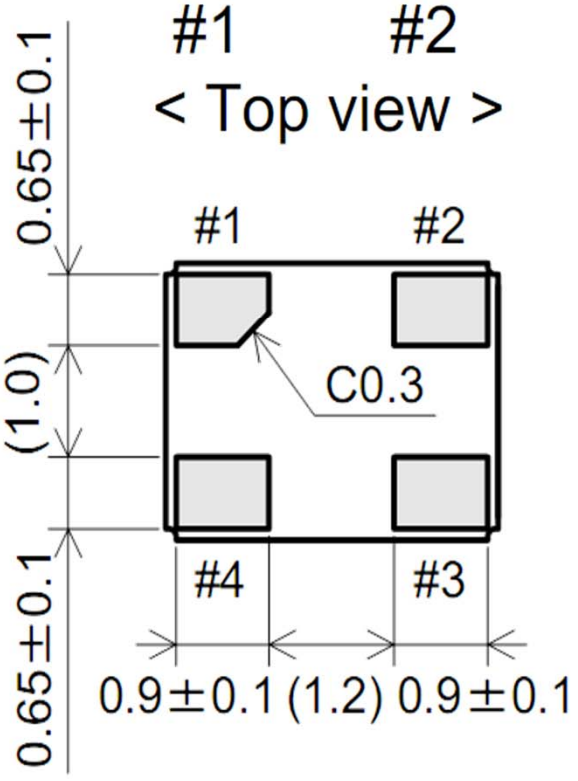
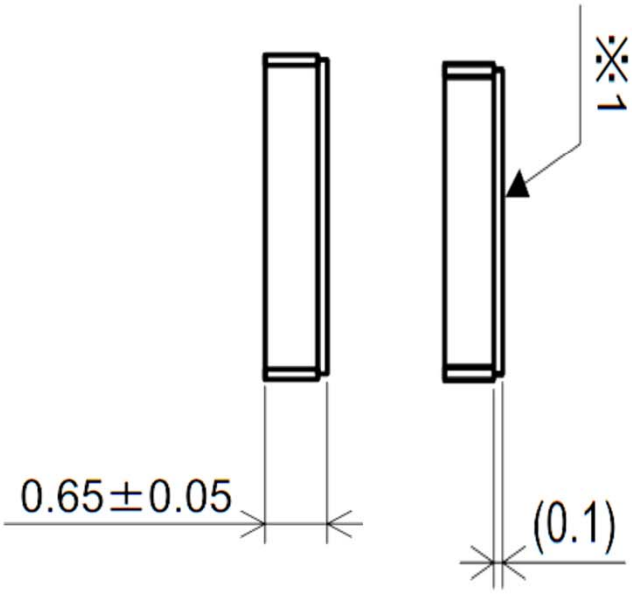




Land dimensions

Internal connection



#2, #4 are connected
to the metal lid(※1).
(Please connect to GND)

< Top view >