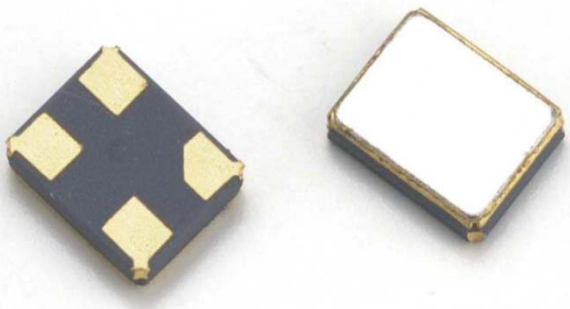
SMD TYPE CERAMIC (2 x 1.6) TYPE

■ 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 (2 x 1.6) TYPE
1	Frequency Range	12.0 ~ 96.0 MHz
2	Frequency Tolerance at 25°C	±5 ~ ±20 ppm , or Specify
3	Frequency Stability Over Oper Temp Range	±10 ppm (20°C~ +70°C.) ±30 ppm (40°C~ +85°C.) or Specify
4	Operating Temp Range	-40°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)	±1ppm (Year) ±3ppm (Year)

Equivalent Ser ies Resistance(ESR) VS Frequency

NO	Frequency (MHz)	Oscillation Mode	SMD TYPE CERAMIC (2 x 1.6)TYPE
1	12.0 ~20.0	Fundamental	100Ω
2	20.0 ~ 30.0	Fundamental	60Ω
3	30.0 ~ 54.0	Fundamental	40Ω

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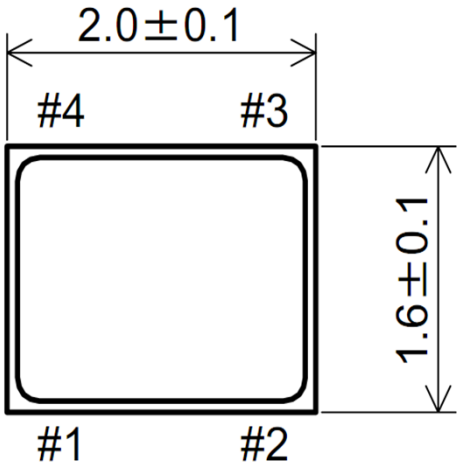
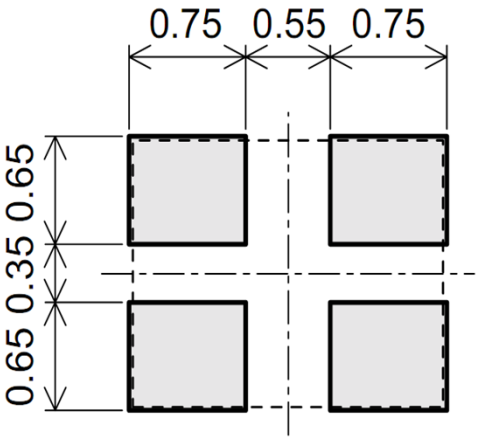
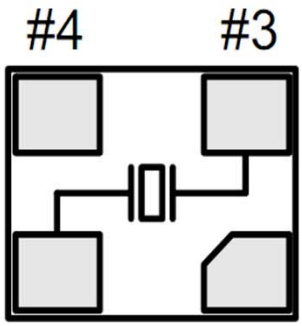
Dimensions (mm):

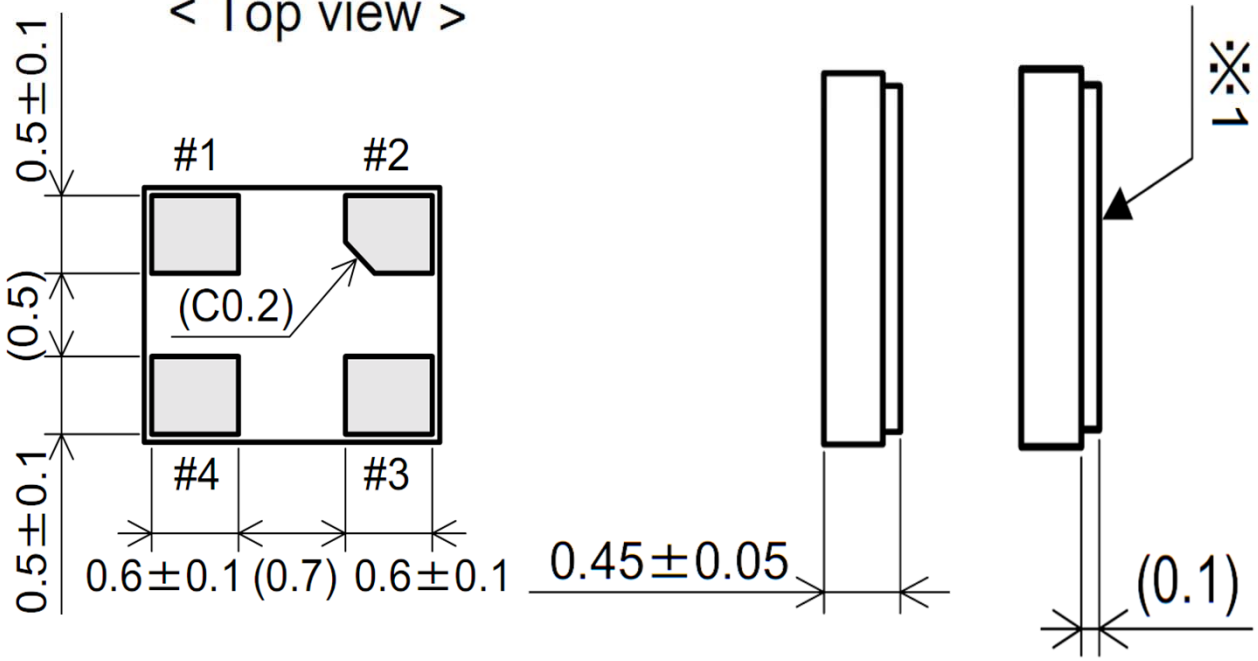




Land dimensions

Internal connection



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

< Top view >