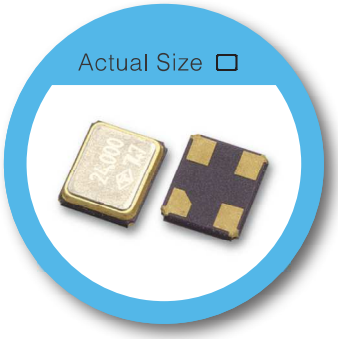
XY Type
2.5 x 2.0 mm SMD Crystal



RoHS Compliant

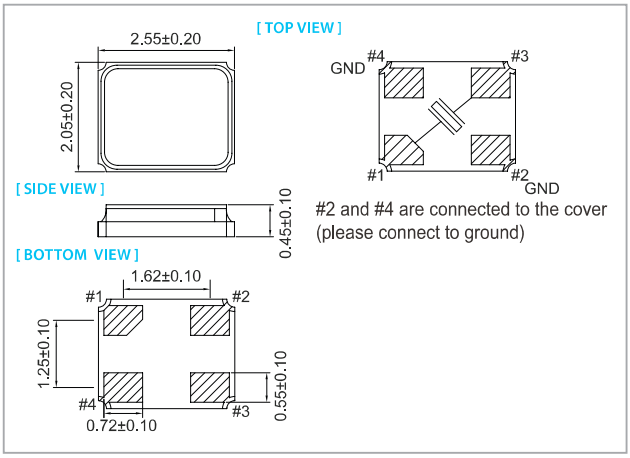
FEATURE

- Typical 2.5 x 2.0 x 0.45 mm ultra thin ceramic package.
- 8 mm width Tape & Reel package for automatic assembly.
- Tight tolerance 10 ppm available.

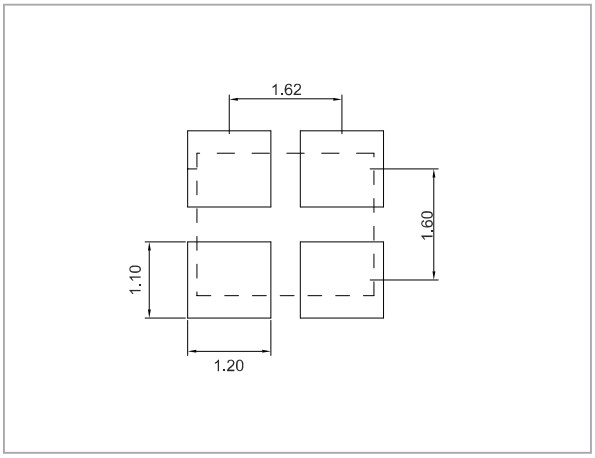
TYPICAL APPLICATION

- Bluetooth , Mobile phone, Wireless LAN.
- Office Automation
- Audio & Video

DIMENSION (mm)



SOLDER PAD LAYOUT (mm)



ELECTRICAL SPECIFICATION

Parameter	Min.	Typical	Max.	Unit
Storage Temp. Range	-40	-	125	˚C
Standard Frequency		16, 24, 26, 40		MHz
Level of Drive	-	10	200	μw
Shunt Capacitance (Co)	-	-	3.0	pF
Insulation Resistance	500 MΩ @ DC100V	-	-	
Aging		±1.0 to ±3.0		ppm / year

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.

EQUIVALENT SERIES RESISTANCE (E.S.R)

Frequency Range	MODE	E.S.R
12 MHz ≦ Fo < 20 MHz	A1	<150Ω
20 MHz ≦ Fo ≦ 30 MHz	A1	<80Ω
30 MHz < Fo ≦ 54 MHz	A1	<60Ω

FREQ. STABILITY vs. TEMP. RANGE

Temp.(˚C) \ ppm	±5	±10	±15
-10 ~ +60	△	○	○
-20 ~ +70	×	△	○
-40 ~ +85	×	×	△

* ○: Available △:Conditional X: Not available

FREQ. STABILITY vs. WIDE TEMP. RANGE

Temp.(˚C) \ ppm	±15	±20	±30	±50
-40 ~ +105	△	○	○	○
-40 ~ +125	×	×	△	○

* O: Available △:Conditional X: Not available

Note: not all combination of options are available. Other specifications may be available upon request.