

## Features

- 1612 size ultra miniature and lightweight SMD crystal units with low profile of 0.35mm
- Frequency range from 24MHz to 54MHz
- High precision and high frequency stability
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Applications: *Wireless Communications, Smartphone, Wearable Devices, etc.*
- RoHS Compliant & Pb Free



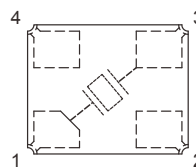
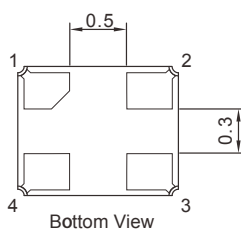
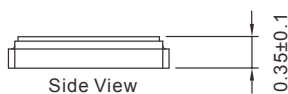
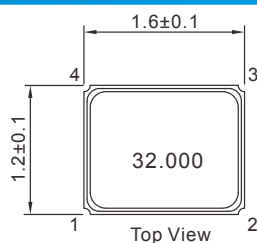
## Standard Specifications

Type	7Y Series SMD Crystal
Frequency Range	24~54 MHz
Frequency Tolerance (at 25°C)	±10ppm, ±20ppm
Frequency Stability (over Operating Temp.)	±10ppm, ±20ppm
Operating Temperature Range	-20~+70°C, or specify
Shunt Capacitance (C <sub>0</sub> )	5pF Max.
Drive Level	1~200μW (50μW Typ.)
Load Capacitance	8pF, 10pF, or specify
Aging (at 25°C)	±3ppm / year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	3000pcs.

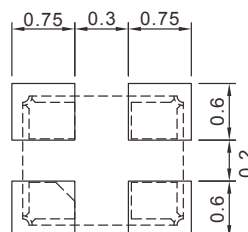
## Equivalent Series Resistance

Fundamental	
24~30 MHz	100Ω Max.
30~54 MHz	80Ω Max.

## Dimensions [mm]



Top View Crystal Connection



Top View Suggested Layout