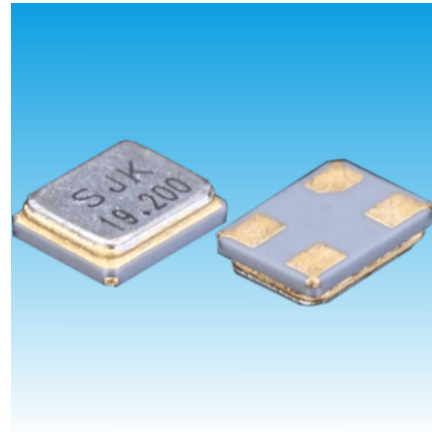


Features

- 2016 size ultra miniature and lightweight SMD crystal units with low profile of 0.5mm
- Frequency range from 16MHz to 54MHz
- High precision and high frequency stability
- Allowing for high density surface mounting
- Automatic mounting and reflow soldering
- Applications: *Wireless Communications, PC, IPAD, PDA, Wearables, etc.*
- RoHS Compliant & Pb Free



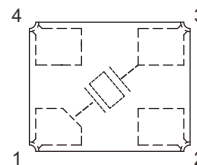
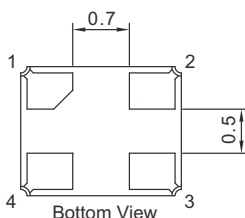
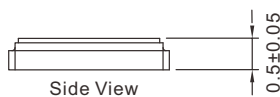
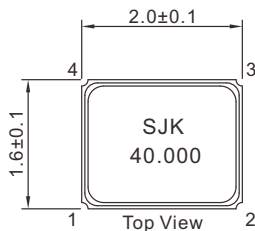
Standard Specifications

Type	7F Series SMD Crystal
Frequency Range	16~54 MHz
Frequency Tolerance (at 25°C)	±10ppm, ±20ppm
Frequency Stability (over Operating Temp.)	±10ppm, ±20ppm
Operating Temperature Range	-40~+85°C, or specify
Shunt Capacitance (C ₀)	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.

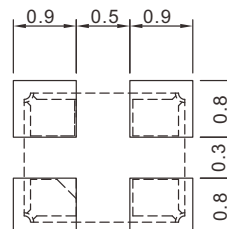
Equivalent Series Resistance

Fundamental	
16~19.2 MHz	200Ω Max.
19.2~30 MHz	100Ω Max.
30~54 MHz	80Ω Max.

Dimensions [mm]



Top View Crystal Connection



Top View Suggested Layout