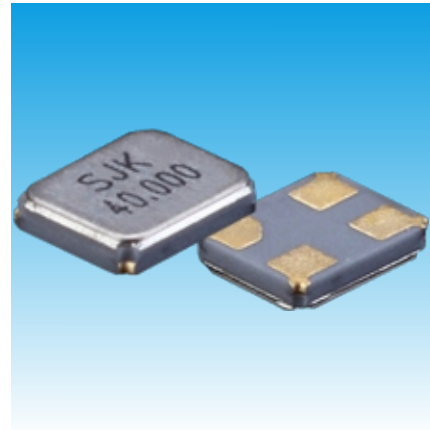


**Features**

- 1210 size ultra miniature and lightweight SMD crystal units with low profile of 0.3mm
- Frequency range from 36MHz to 54MHz
- High precision and high frequency stability
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Applications: *Smartphone, SIP Module, IoT, Consumer Electronics, etc.*
- RoHS Compliant & Pb Free


**Standard Specifications**

Type	7S Series SMD Crystal
Frequency Range	36~54 MHz
Frequency Tolerance (at 25°C)	±15ppm, ±20ppm
Frequency Stability (over Operating Temp.)	±15ppm, ±20ppm
Operating Temperature Range	-40~+85°C, or specify
Shunt Capacitance (C <sub>0</sub> )	5.0pF Max.
Drive Level	1~100μW (50μW Typ.)
Load Capacitance	8pF, 10pF, or specify
Aging (at 25°C)	±3ppm /year Max.
Storage Temperature Range	-40~+85°C
Packing Unit	3000pcs.

**Equivalent Series Resistance**

Fundamental	
36~54 MHz	150Ω Max.

**Dimensions [mm]**
