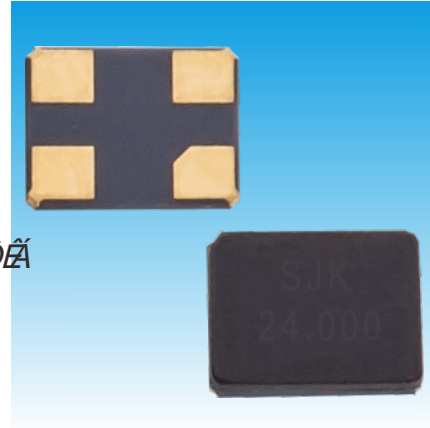


Features

1. High precision frequency tolerance
 2. Excellent frequency stability
 3. Wide operating temperature range
 4. Low drive level
 5. Small size and high reliability
 6. RoHS compliant



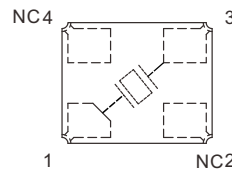
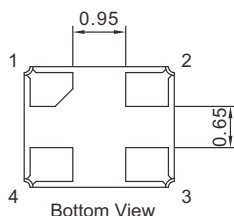
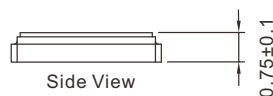
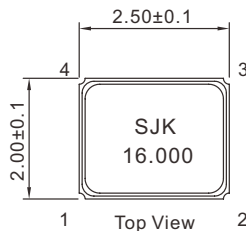
Standard Specifications

Type	7Z Glass Sealed SMD Crystal
Frequency Range	12~64 MHz
Frequency Stability (over Operating Temp.)	±10ppm, ±20ppm
Operating Temperature Range	-20~+70°C, -40~+85°C
Shunt Capacitance (C ₀)	5pF Max.
Drive Level	1~50μW (10μW Typ.)
Load Capacitance	8pF, 10pF, or specify
Aging (at 25°C)	±3ppm/year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	3000pcs./Reel

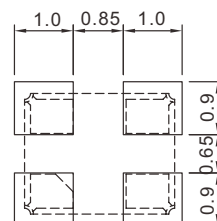
Equivalent Series Resistance

Fundamental	
12~13 MHz	200Ω Max.
13~16 MHz	15Ω Max.
16~20 MHz	100Ω Max.
20~27 MHz	80Ω Max.
27~64 MHz	60Ω Max.

Dimensions [mm]



Top View Crystal Connection



Top View Suggested Layout