

FEATURE

- Ultra thin, thickness 1.0mm
- Leadless type
- High precision characteristic covering up to high frequency range
- Designed for automatic mounting and reflow soldering
- Embossed taping specification
- The best choice of Bluetooth wireless communication sets, DSN, PDA and mobile phone

ELECTRICAL SPECIFICATIONS

Output Frequency Range	12.000 MHz to 48.000 MHz
Mode	see Table 1*
Frequency Tolerance (at 25°C)	±10ppm, ±30ppm, or specify
Frequency Stability Over Operating Temperature Characteristics	±10ppm, ±30ppm, or specify
Operating Temperature Range	-10 °C to + 60 °C -20 °C to + 70 °C -40 °C to + 85 °C
Storage Temperature Range	-55 °C to +125 °C
Shunt Capacitance (C ₀)	5.0 pF Max
Driver Level (Typical)	10μW~100μW
Load Capacitance(C _L)	Series, 16pF, 20pF, 30pF, 32pF, or specify
Aging @25°C 1 st year (Max)	±3ppm/year
Shock Resistance	Drop test of 3 times on 2mm stainless plate from 75cm height

REMARK: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. PLEASE CONFIRM WITH OUR SALES ENGINEER.

EQUIVALENT SERIES RESISTANCE (ESR)

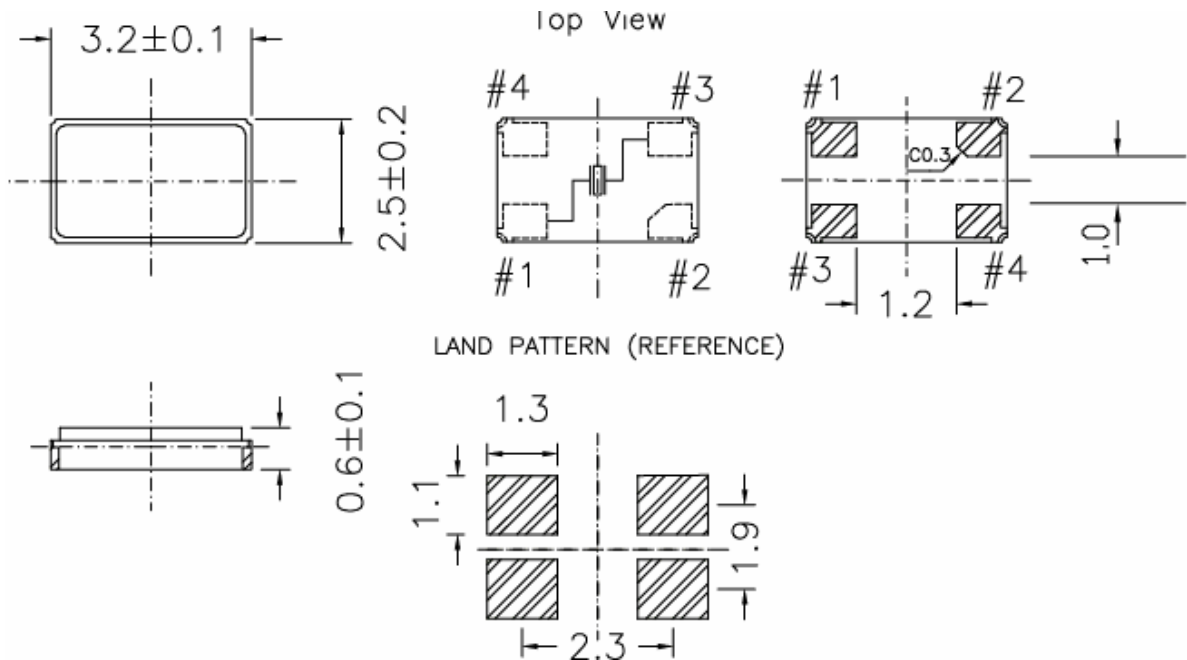
Frequency Range	E.S.R(Ω)	Mode
12~24MHz	80Ω Max	AT/Fundamental
24~ 48MHz	60Ω Max	AT/Fundamental

QUARTZ CRYSTAL UNIT

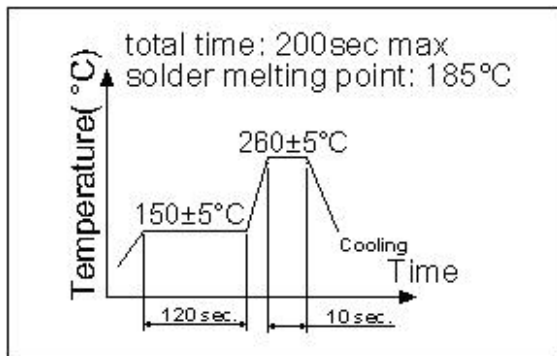
SERIES 7U, SEAM SEALED CERAMIC 3.2X2.5MM SMD



Dimension (mm)



Reflow Condition



PART NUMBER

SJK-7U-	16.000	9	10	80	A	15
	Frequency e.g. 16: 16.000MHz	Load capacitance e.g. 9: 9pF s: series	Frequency tolerance e.g. 10: ± 10 ppm	E.S.R.Max e.g. 80: 80Ω max	Operating temperature range A: $-10-60^\circ\text{C}$ B: $-20-70^\circ\text{C}$ C: $-40-85^\circ\text{C}$	Temperature stability: e.g. 15: ± 15 ppm