

FEATURE

- Typical 11.8 x 5.5 x 1.55 mm ceramic SMD package
- High temperature glass sealed
- Rough vacuum inside for reduced ESR and good aging
- Tape & Reel packaging for automatic assembly
- Excellent anti-shock performance
- Lead Free and ROHS compliant

ELECTRICAL SPECIFICATIONS

Output Frequency Range	3.200 MHz to 70.000 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)	7.0 pF Max
Driver Level (Typical)	50μW~500μW
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
insulation resistance(ir)	500MΩ Min. @ 100v DC

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

EQUIVALENT SERIES RESISTANCE (ESR)

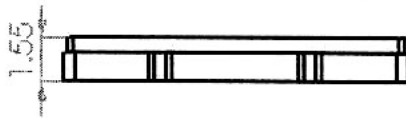
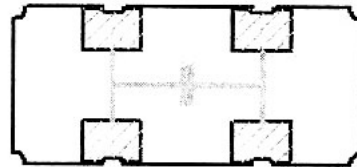
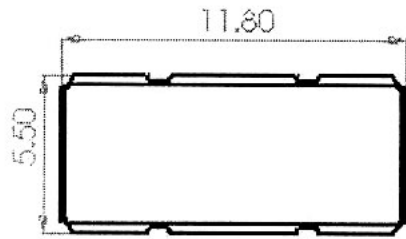
Frequency Range	E.S.R(Ω)	Mode
3.2~4MHz	120 Ω Max	AT/Fundamental
4.001~ 6MHz	100 Ω Max	AT/Fundamental
6.001~ 8MHz	80 Ω Max	AT/Fundamental
8.001~ 12MHz	60 Ω Max	AT/Fundamental
12.001 ~25MHz	40 Ω Max	AT/Fundamental
26.000 ~40MHz	100 Ω Max	Third Overtone / AT
40.001 ~70MHz	80 Ω Max	Third Overtone / AT

QUARTZ CRYSTAL UNIT

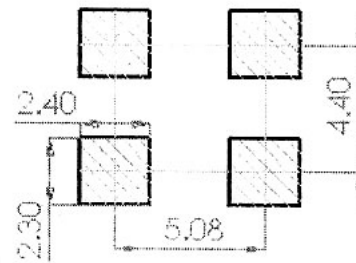
C4 Type Crystal



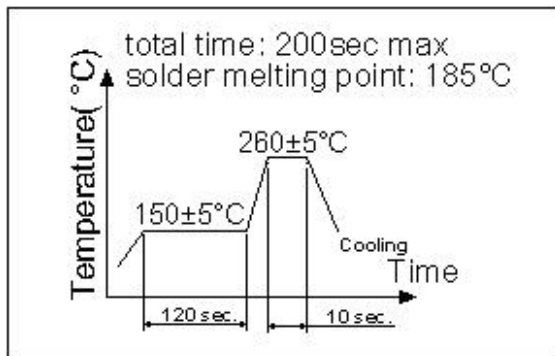
Dimension (mm)



Suggested Solder Pad Layout



Reflow Condition



PART NUMBER

SJK-C4	4.000	20	10	80	A	15
	Frequency e.g. 4 : 4.000 MHz	Load capacitance e.g. 20:20 pF s: series	Frequency tolerance e.g. 10: ±10ppm	E.S.R.Max e.g. 80:80Ωmax	Operating temperature range A:-10-60°C B:-20-70°C C:-40-85°C	Temperature stability: e.g. 15: ±15ppm