

Quartz crystal

BENTEX LTD.

Series 6I, GLASS SEALED CERAMIC 5 X 3.2MM Surface Mount Package

FEATURE

Ultra thin, thickness 1.0mm
Leadless type
High precision characteristic covering up to high frequency range
Automatic mounting
Embossed taping specification
Suitable for Reflow soldering

Ideally suited designed for disc drives, NB, PCs

and hand-held electronic products



ELECTRICAL SPECIFICATIONS

Output Frequency Range	12.000 MHz to 40.000 MHz
Mode	See Table 1*
Frequency Tolerance (at 25°C)	±30ppm ~ ±50ppm, or specify
Frequency Stability Over Operating Temperature Characteristics	-10°C ~ +60°C ±30ppm, -20°C ~ +70°C ±50ppm or specify
Storage Temperature Range	-55°C to +125°C
Operable Temperature Range	-40°C to + 85°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
Equivalent Series Resistance ESR	See Table 1*
Aging @25°C 1 st year (Max)	±3ppm, ±5ppm/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.

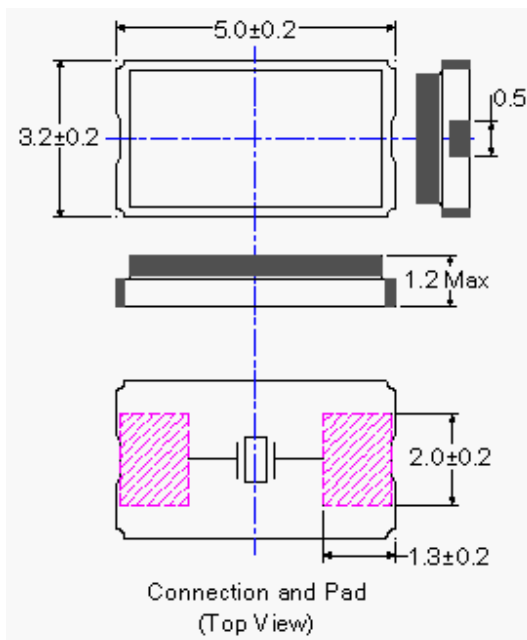
Frequency and Equivalent Series Resistant

Frequency Range	E.S.R. (Ω)	Mode
12.000 MHz ~ 30.000 MHz	60 Max	Fundamental / AT
30.000 MHz ~ 40.000 MHz	45 Max	Fundamental / AT

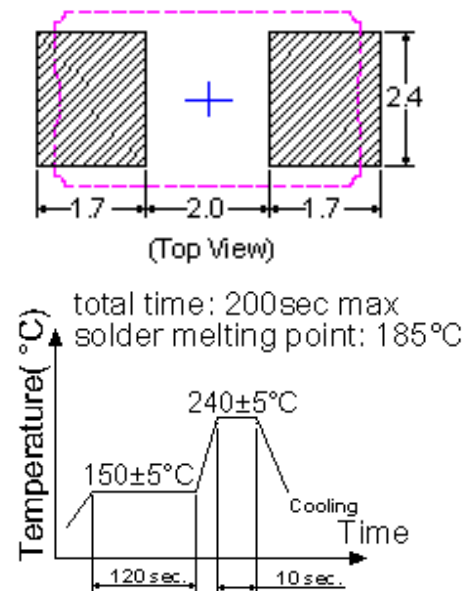
Quartz crystal

Series 6I, GLASS SEALED CERAMIC 5 X 3.2MM Surface Mount Package

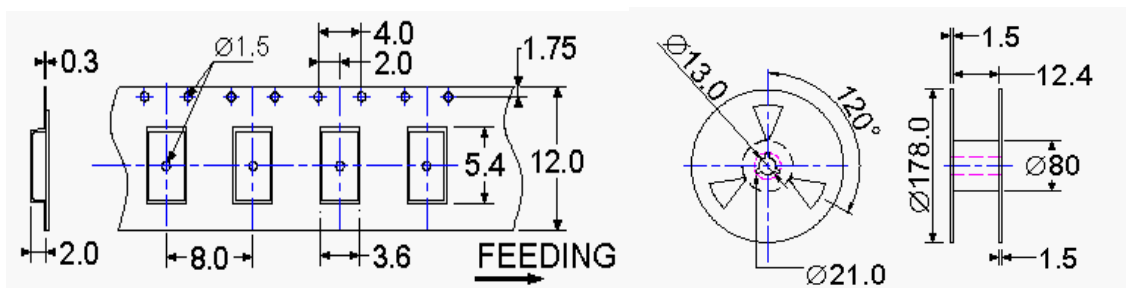
Dimension



Reference Land Pattern



PACKING



PART NUMBER

SJK-6I-	16	20	30	60	A	50
	Frequency e.g. 16:±16MHz	Load capacitance e.g. 20:20pf s:series	Frequency tolerance e.g. 30:±30ppm	E.S.R.max e.g. 100:100Ωmax	Operating temperature range A:-10-60°C B:-20-70°C C:-40-85°C	Temperature stability: e.g. 50:±50ppm