



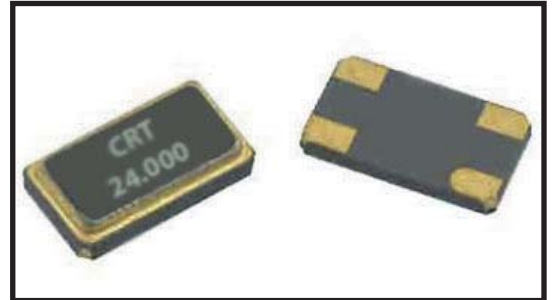
QUARTZ CRYSTAL - HC7U SERIES

Seam Sealed Ceramic 3.2 X 2.5mm

Surface Mount Package

FEATURES

- Ultra thin package, thickness 1.0mm
- Leadless type
- High precision characteristics
- Automatic mounting
- Embossed tapping specifications
- Suitable for solder reflow



ELECTRICAL SPECIFICATIONS

Nominal frequency	12.000MHz to 48MHz
Operating temperature	-10 to 60°C (Standard) <i>optional:</i> -20 to 70°C , -40 to 85°C
Storage temperature	-55 to 125°C
Frequency tolerance	±30ppm (std) <i>Other options available</i> ±10ppm, ±20ppm, or specify
Frequency Stability over operating temperature range	±10ppm ~ ±30ppm
Load Capacitance	16pF, 20pF, 30pF, 32pF , Series, or specify
Equivalent series resistance (ESR)	See Table
Shunt capacitance(Co)	5pF Max
Drive Level	10µW~ 100µW

ESR and OPERATING MODE

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

Mechanical Characteristics

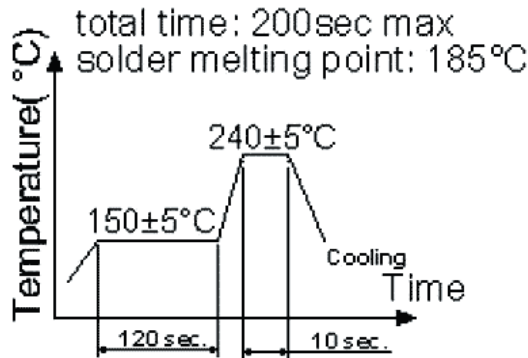
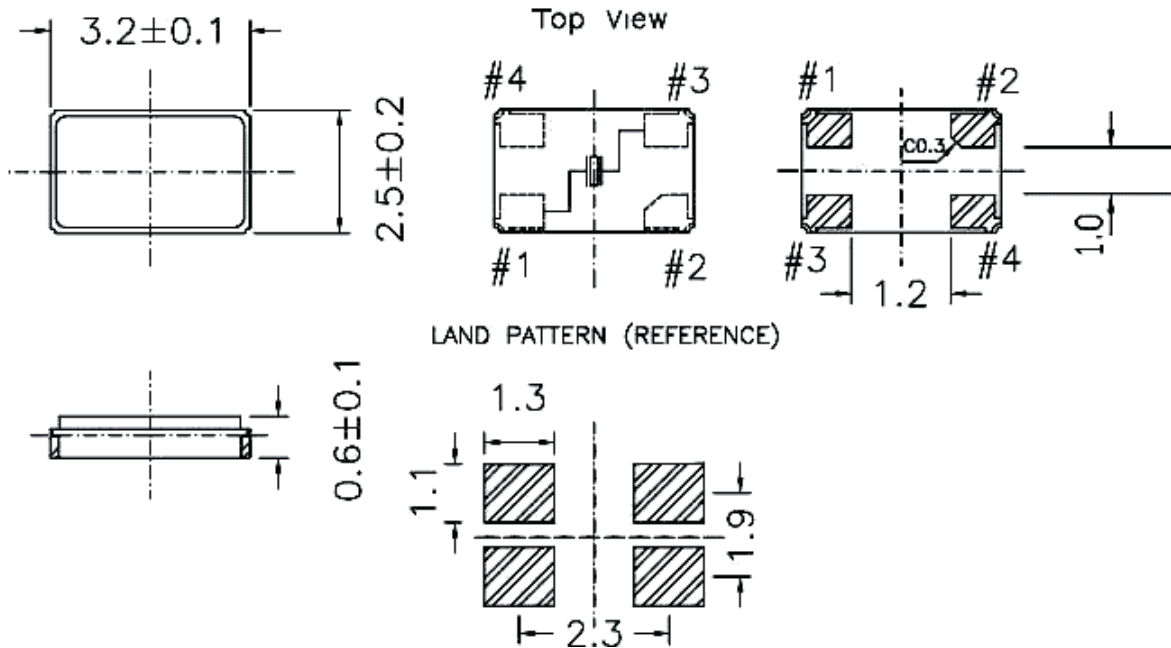
Resistance to shock:	Drop test 3 times on 2mm stainless plate at 75cm height
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Surface Mount Package

Dimensions



Ordering

HC7U - Series	16.000 Frequency in MHz	- 16 Load Capacitance (pf)	- 30 Frequency Tolerance in ppm	- A Operating Temperature Range
	Please specify frequency required.	Options: 12,16,18,20,30, s (= series), or specify	±30ppm (std)	A= -10 to 60°C (std) B= -20 to 70°C C= -40 to 85°C