

## Research for Frequency Products

### Description

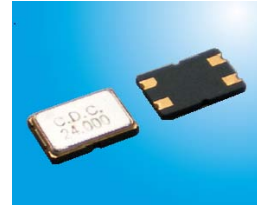
This low profile 4 pad SMD ceramic package has been special designed for mobile telecom and miniature electronic applications. All frequencies are vibrated in fundamental mode. 1000 parts are in 8mm embossed tape in reel as standard.

### Features

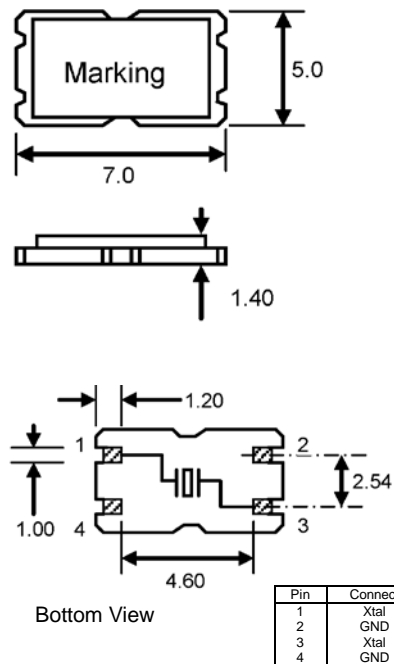
- Tight Tolerance  $\pm 10$ ppm available
- Ultra small size as 7.0x5.0mm
- Thin package height as 1.1mm
- SMD in high population PCB assembly
- RoHS Compliant**

### Ceramic (SEAM seal) Crystal

7.0x5.0x1.1mm SMD (4 pad)  
6.000MHz ~ 40.000MHz

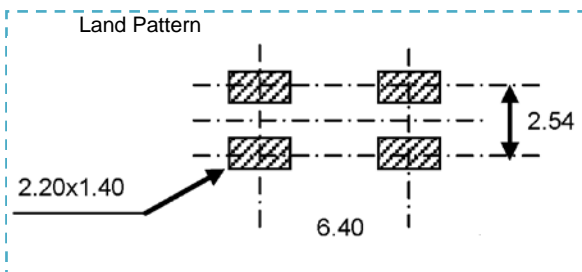


### Outlines and Dimensions



### Standard Parameters

Parameter	Specifications
Frequency Range	6.000MHz ~ 40.000MHz
Vibration Mode	Fundamental
Frequency Tolerance @25°C	$\pm 30$ ppm ( $\pm 10$ ppm option)
Frequency Stability vs Temp Range	$\pm 30$ ppm ( $\pm 10$ ppm option)
Load Capacitance	8pF ~ $\infty$
Equivalent Series Resistance	
10~ 12 MHz	120 $\Omega$ Max.
12 ~ 20 MHz	80 $\Omega$ Max
20 ~ 28 MHz	60 $\Omega$ Max
28 ~ 54 MHz	50 $\Omega$ Max
Drive Level	10 $\mu$ W
Operating Temp. Range	-10 ~ +60 °C
Storage Temp. Range	-40 ~ 125 °C



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