

Research for Frequency Products

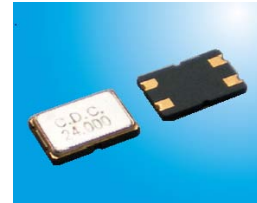
Description

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.

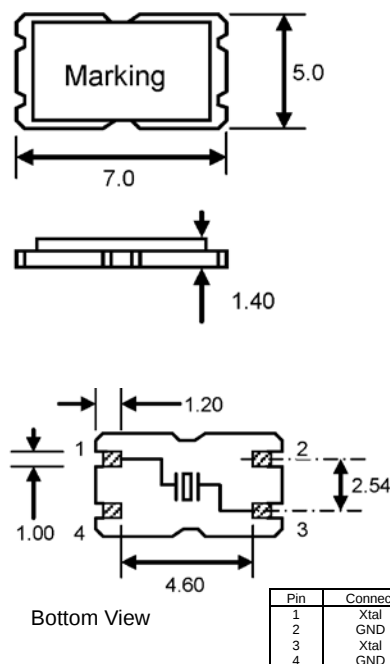
Features

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

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

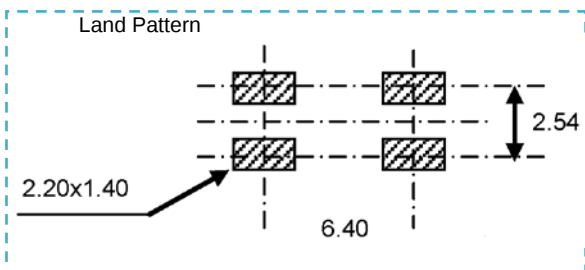


Outlines and Dimensions



Standard Parameters

Parameter	Specifications
Frequency Range	6.000MHz ~ 40.000MHz
Vibration Mode	Fundamental
Frequency Tolerance @25°C	$\pm 30\text{ppm}$ ($\pm 10\text{ppm}$ option)
Frequency Stability vs Temp Range	$\pm 30\text{ppm}$ ($\pm 10\text{ppm}$ option)
Load Capacitance (pF)	8 ~ 32pF or Series
Equivalent Series Resistance	
6.0 ~ 10 MHz	150Ω Max.
10 ~ 12 MHz	120Ω Max.
12 ~ 20 MHz	80 Ω Max
20 ~ 28 MHz	60 Ω Max
28 ~ 40 MHz	50 Ω Max
Drive Level	10μW
Operating Temp. Range	-20 ~ +70 °C or specify
Storage Temp. Range	-40 ~ 125 °C



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