

Research for Frequency Products

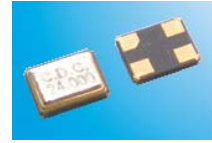
Description

This low profile 4 pad SMD ceramic package has been special designed for mobile phone, bluetooth and miniature electronic applications. All frequencies are vibrated in fundamental mode. 3000 parts are in 8mm embossed tape in reel as standard.

Features

- Tight Tolerance ± 10 ppm available
- Ultra small size as 3.2 x 2.5mm
- Thin package height as 0.7mm
- SMD in high population PCB assembly
- RoHS Compliant**

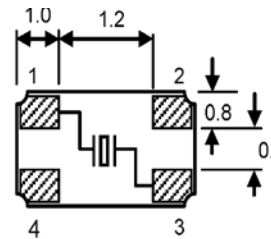
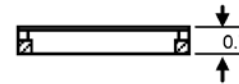
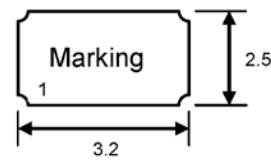
Ceramic (SEAM seal) Crystal
 3.2x2.5x0.7mm SMD (4 pad)
 10.000MHz ~ 54.000MHz



Standard Parameters

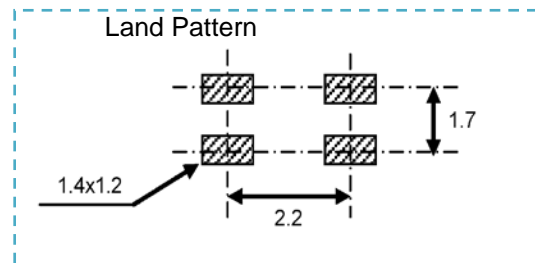
Parameter	Specifications
Frequency Range	10.000MHz ~ 54.000MHz
Vibration Mode	Fundamental
Frequency Tolerance @25°C	± 30 ppm (± 10 ppm option)
Frequency Stability vs Temp Range	± 30 ppm (± 10 ppm option)
Load Capacitance	8 ~ ∞ (Series)
Equivalent Series Resistance	
10 ~ \leq 12 MHz	120 Ω Max.
12 ~ \leq 20 MHz	80 Ω Max
20 ~ \leq 28 MHz	60 Ω Max
28 ~ \leq 54 MHz	50 Ω Max
Drive Level	10 μ W
Operating Temp. Range	-10 ~ +60 °C
Storage Temp. Range	-40 ~ 125 °C

Outlines and Dimensions



Bottom View

Pin	Connect
1	Xtal
2	GND
3	Xtal
4	GND



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