

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

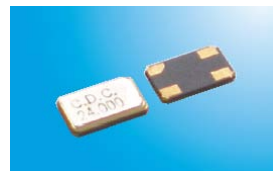
Tight Tolerance $\pm 10\text{ppm}$ available
Ultra small size as 5.0x3.2mm
Thin package height as 0.8mm
SMD in high population PCB assembly
RoHS Complaint

Standard Parameters

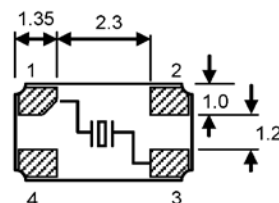
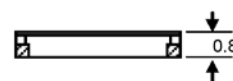
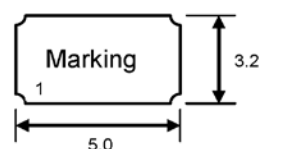
Parameter	Specifications
Frequency Range	8.000MHz ~ 54.000MHz
Vibration Mode	Fundamental
Frequency Tolerance @25°C	$\pm 30\text{ppm}$ ($\pm 10\text{ppm}$ option)
Frequency Stability vs Temp Range	$\pm 30\text{ppm}$ ($\pm 10\text{ppm}$ option)
Load Capacitance (pF)	8 ~ 32pF or Series
Equivalent Series Resistance	
8.0 ~ 10MHz	120 Ω Max.
10 ~ 12 MHz	100 Ω Max.
12 ~ 20 MHz	80 Ω Max
20 ~ 28 MHz	60 Ω Max
28 ~ 54 MHz	50 Ω Max
Drive Level	10 μ W
Operating Temp. Range	-20 ~ +70 °C or specify
Storage Temp. Range	-40 ~ 125 °C

Ceramic (SEAM seal) Crystal

5.0x3.2x0.8mm SMD (4 pad)
8.000MHz ~ 54.000MHz



Outlines and Dimensions

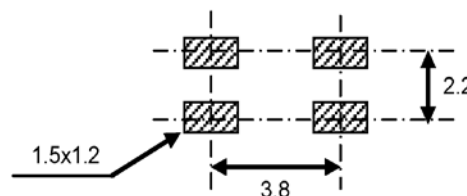


Bottom View

Pin	Connect
1	Xtal
2	GND
3	Xtal
4	GND



Land Pattern



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Subject to change without notice