

Research for Frequency Products

Ceramic (SEAM seal) Crystal
 2.0x1.6mm SMD (4 pad)
 16.000MHz ~ 54.000MHz

Description

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



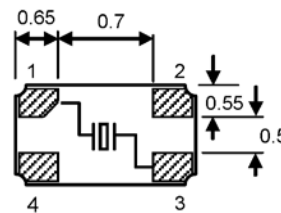
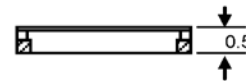
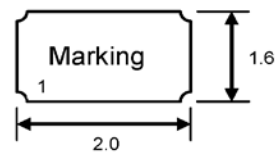
Features

- Tight Tolerance ± 10 ppm available
- Ultra small size as 2.0x1.6mm
- Thin package height as 0.5mm
- SMD in high population PCB assembly
- RoHS Compliant**

Standard Parameters

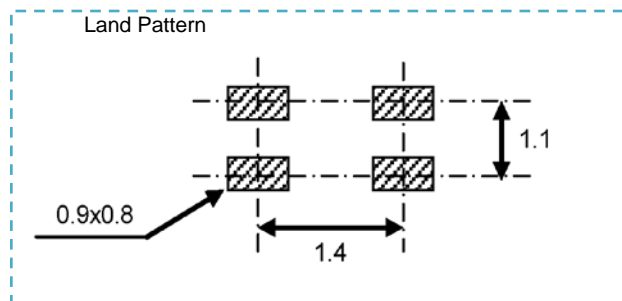
Parameter	Specifications
Frequency Range	16.000MHz ~ 54.000MHz
Vibration Mode	Fundamental
Frequency Tolerance @25°C	± 30 ppm (± 10 ppm option)
Frequency Stability vs Temp Range	± 30 ppm (± 10 ppm option)
Load Capacitance	8 ~ ∞ (Series)
Equivalent Series Resistance	
16 ~ ≤ 18 MHz	200 Ω Max.
18 ~ ≤ 20 MHz	150 Ω Max
20 ~ ≤ 24 MHz	100 Ω Max
24 ~ ≤ 26 MHz	80 Ω Max
26 ~ ≤ 54 MHz	60 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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