

Research for Frequency Products

Description

SMD ceramic SEAM package Quartz Crystal has been special designed for 5G Base Station, AIoT, Wearables, Aerial Cam. All frequencies are vibrated in fundamental mode. 3000 parts are in 8mm embossed tape in reel as standard.

Features

Tight Tolerance $\pm 10\text{ppm}$ available
Ultra-miniature size as 1.6x1.2mm
Thin package height as 0.35mm
SMD in high population PCB assembly
RoHS Complaint

Quartz Crystal

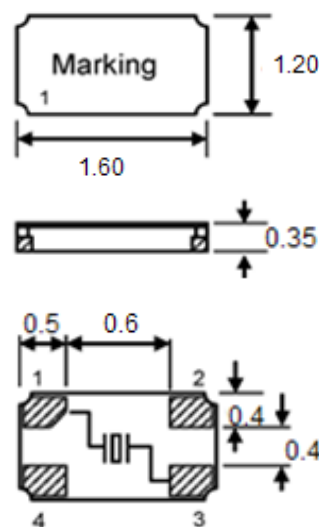
1.6x1.2mm SMD (4 pad)
24.000MHz ~ 90.000MHz



Standard Parameters

Parameter	Specifications
Frequency Range	24.000MHz ~ 90.000MHz
Vibration Mode	Fundamental
Frequency Tolerance @25°C	$\pm 20\text{ppm}$ ($\pm 10\text{ppm}$ option)
Frequency Stability vs Temp Range	$\pm 20\text{ppm}$ ($\pm 10\text{ppm}$ option)
Load Capacitance	8 ~ ∞ (Series)
Equivalent Series Resistance	
24 ~ ≤ 32 MHz	150 Ω Max.
32 ~ ≤ 38 MHz	100 Ω Max
38 ~ ≤ 90 MHz	80 Ω Max
Drive Level	10 μW (100 μW Max.)
Operating Temp. Range	-10 ~ +60 °C
Storage Temp. Range	-40 ~ 125 °C

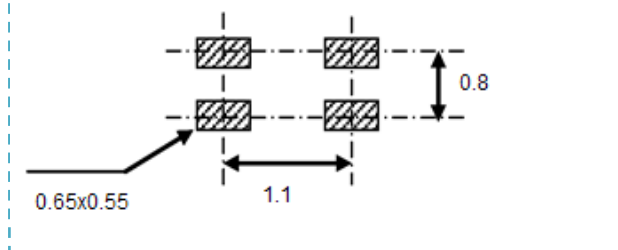
Outline and Dimensions



Bottom View

Pin	Connect
1	Xtal
2	GND
3	Xtal
4	GND

Land Pattern



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