

SMD Seam Sealing Crystal

2.5x2.0x0.55mm S22 Series



Features

- Extremely small SMD type crystal units.
- High precision and high frequency stability.
- The best choice of Bluetooth,Wi-Fi and other short range wireless communication.
- RoHS Compliant / Pb Free.



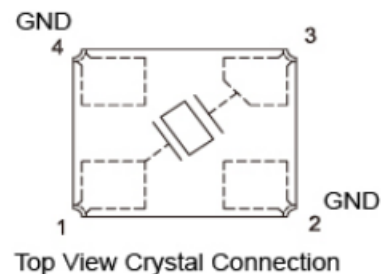
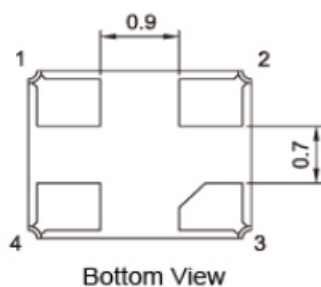
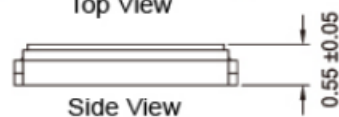
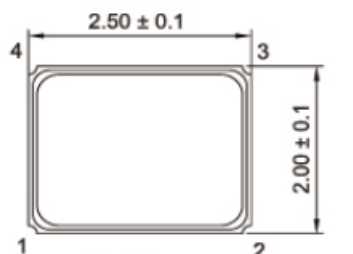
Crystals specifications

ITEMS/TYPE	S22
Frequency Range	12~54MHz
Load Capacitance	8pF, 10pF, 12pF, or specify
Frequency Tolerance (at 25°C)	±10ppm, ±20ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm, ±20ppm, or specify
Operating Temperature Range	-40~+85°C, or specify
Shunt Capacitance (C0)	3pF Max.
Drive Level	1~200μW (100μW typical)
Aging (at 25°C)	±3ppm/year Max.
Storage Temperature Range	-40~+125°C

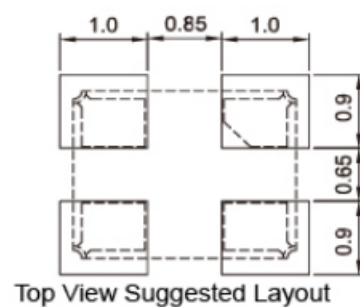
Equivalent Series Resistance(ESR)

Frequency Range	Mode	ESR.	Frequency Range	Mode	ESR.
12.000~15.999MHz	FAT,Fund1	150 ΩMax.	20.000~29.999MHz	uAT,Fund1	60 ΩMax
16.000~19.999MHz	uAT,Fund1	100 ΩMax.	30.000~54.000MHz	uAT,Fund1	40 ΩMax

Dimensions and patterns(unit:mm)



Top View Crystal Connection



Top View Suggested Layout