

# SMD Seam Sealing Crystal

## 5.0x3.2x0.9mm S53 Series



### Features

- High precision characteristics covering up to wide frequency range.
- Higher frequency stability and reliability.
- Excellent for reducing EMI effect.
- The best choice of Bluetooth, wireless communication set, DSC, PDA, mobile phone and USB interface card.
- RoHS Compliant / Pb Free.



### Crystals specifications

ITEMS/TYPE	S53
Frequency Range	8~54MHz
Load Capacitance	10pF, 12pF, 16pF, 20pF, or specify
Frequency Tolerance (at 25℃)	±10ppm, ±20ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm, ±20ppm, or specify
Operating Temperature Range	-40~+85℃, or specify
Shunt Capacitance (C0)	5pF Max. (2pF typical)
Drive Level	1~200μW (100 μW typical)
Aging (at 25℃)	± 3 ppm/year Max.
Storage Temperature Range	-40~+125℃

### Equivalent Series Resistance(ESR)

Frequency Range	Mode	ESR.	Frequency Range	Mode	ESR.
8.000~9.999MHz	FAT,Fundl	100 ΩMax.	20.000~29.999MHz	uAT,Fundl	60 ΩMax
10.000~19.999MHz	uAT,Fundl	80 ΩMax.	30.000~54.000MHz	uAT,Fundl	40 ΩMax

### Dimensions and patterns(unit:mm)

