

## 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(项目)	PARAMETER(规格说明) S53			
	Fundamental		3rd Overtone	
Mode	Fundamental		3rd Overtone	
Frequency Range	8~12MHz	12~54MHz	40~60MHz	60~125MHz
Equivalent Series Resistance	100ΩMax.	60ΩMax.	120ΩMax.	80ΩMax.
Drive Level	10uW (100uW Max)			
Frequency Tolerance (at 25 °C)	± 10 ppm, ± 20 ppm, or specify			
Frequency Stability Over Operating Temperature Range	± 10 ppm, ± 20 ppm, or specify			
Operating Temperature Range	-10 ~ +70°C, or specify			
Shunt Capacitance (C0)	5 pF Max. (2 pF typical)			
Load Capacitance	10 pF, 16 pF, 20 pF, or specify			
Aging (at 25 °C)	± 3 ppm / year Max.			
Storage Temperature Range	- 40 ~ + 85 °C			
Packing Unit(包装单位)	1,000pcs/Reel			

## Dimensions and patterns(unit:mm)

