



### 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

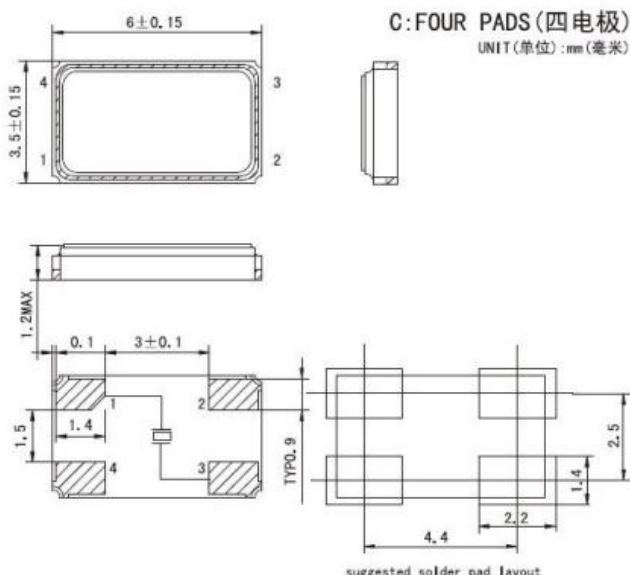
ITEMS (项目)	PARAMETER (规格说明) S63			
Mode	Fundamental		3rd Overtone	
Frequency Range	8~12MHz	12~54MHz	40~60MHz	60~125MHz
Equivalent Series Resistance	80ΩMax.	40ΩMax.	120ΩMax.	80ΩMax.
Drive Level	1 ~ 200 μW (100 μW typical)			
Frequency Tolerance (at 25 °C)	± 30 ppm, or specify			
Frequency Stability Over Operating Temperature Range	± 30 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			

### Equivalent Series Resistance(ESR)

#### Fundamental

8-11MHZ	80 Ω Max
12-54MHZ	40 Ω Max
40-60MHZ	120 Ω Max
60-125MHZ	80 Ω Max

### Dimensions



Note) #2, #4 is connected with a cover  
(Please connect with a GND or a power supply)

Units: mm