

# Temperature Sensing Crystals Unit YSX211TS



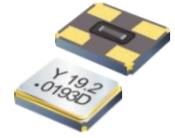
## Applications

- Mobile Communications

## Features

- Excellent Reliability Characteristics Such as Heat and Mechanical Shock

- Pb-free and Satisfy ROHS Requirements



## Specifications (规格参数)

Item/Type	Specifications
Output Frequency Range 额定频率范围	19.2 ~ 54MHz
Operating Temperature Range 工作温度	-30 ~ +85°C, or specify
Storage Temperature Range 储存温度	-40 ~ +85°C
Frequency Tolerance (at 25°C) 频率偏差	±10ppm, or specify
Frequency Stability Over Operating Temperature Range 频率-温度特性	±10ppm, or specify
Shunt Capacitance (C0) 静态电容	3pF Max
Drive Level 激励电平	1~200µW (50µW typical)
Load Capacitance 负载电容	8pF, 10pF, 12pF, or specify
Aging (at 25°C) 老化率	± 3ppm / first year Max
Thermistor Resistance (at 25°C) 热敏电阻	100KΩ ±1%
Thermistor B-constant (25~50°C) 热敏电阻B常数	4250KΩ ±1%

## Equivalent Series Resistance (等效串联电阻 (ESR))

Frequency Range	ESR
19.2 ~ 30MHz	100Ω Max
30 ~ 54MHz	80Ω Max

## Dimensions and Recommended Land Pattern (外观尺寸及推荐焊盘)

Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)										
<p>Top View: #1, #2, #3, #4, Marking, 2.05±0.1, 1.65±0.1</p> <p>Bottom View: #1, #2, #3, #4, 0.95±0.15, 0.45±0.15</p> <p>Side View: 0.85Max</p>	<p>Recommended soldering Pattern</p> <table border="1"> <thead> <tr> <th>Pin</th> <th>FUNCTION</th> </tr> </thead> <tbody> <tr> <td>#1</td> <td>Xtal Terminal (Input)</td> </tr> <tr> <td>#2</td> <td>Thermistor Terminal + GND</td> </tr> <tr> <td>#3</td> <td>Xtal Terminal (Output)</td> </tr> <tr> <td>#4</td> <td>Thermistor Terminal</td> </tr> </tbody> </table>	Pin	FUNCTION	#1	Xtal Terminal (Input)	#2	Thermistor Terminal + GND	#3	Xtal Terminal (Output)	#4	Thermistor Terminal
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