

Temperature Sensing Crystals Unit YSX221TS

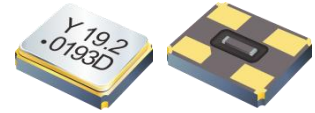


Applications

- Mobile Communications

Features

- Excellent reliability characteristics such as heat and mechanical shock
- Pb-free and satisfy ROHS requirements



Specifications

Item/Type	Specifications
Output Frequency Range	12~54MHz
Operating Temperature Range	-30~+85°C, or specify
Storage Temperature Range	-40~+85°C
Frequency Tolerance (at 25°C)	±10ppm, or specify
Frequency Stability Over Operating Temperature Range	±10ppm, or specify
Shunt Capacitance(C0)	3pF Max.
Drive Level	1~200μW(50μW typical)
Load Capacitance	8pF, 10pF, 12pF, or specify
Aging (at 25°C)	± 3 ppm / first year Max.
Thermistor Resistance(at 25°C)	100KΩ ±1%
Thermistor B-constant(25~50°C)	4250KΩ±1%

Equivalent Series Resistance(ESR)

Frequency Range	ESR
12~13 MHz	150Ω Max
14~30 MHz	100Ω Max
30~54 MHz	60Ω Max

Dimensions and Recommended land pattern

Package Size – Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)										
<p>Top View</p> <p>Bottom View</p> <p>Side View</p>	<table border="1"> <thead> <tr> <th>Pin</th> <th>FUNCTION</th> </tr> </thead> <tbody> <tr> <td>#1</td> <td>XTAL Terminal 1</td> </tr> <tr> <td>#2</td> <td>Thermistor Terminal 2</td> </tr> <tr> <td>#3</td> <td>XTAL Terminal 2</td> </tr> <tr> <td>#4</td> <td>Thermistor Terminal 1</td> </tr> </tbody> </table>	Pin	FUNCTION	#1	XTAL Terminal 1	#2	Thermistor Terminal 2	#3	XTAL Terminal 2	#4	Thermistor Terminal 1
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