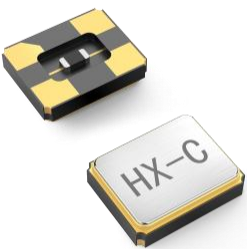


热敏TS2系列 SMD

2520



APPLICATIONS

- Bluetooth / Wireless LAN
- LTE / SAS

FEATURE

- Rugged AT-cut crystal construction
- Miniature 2.5×2.0mm ceramic package
- Anti-EMI design
- Tight Tolerance and Stability
- Reflow Soldering/Emboss Taping

Electrical Specifications 电气参数



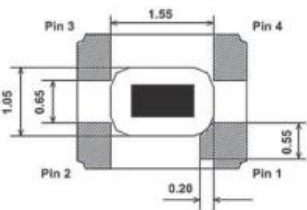
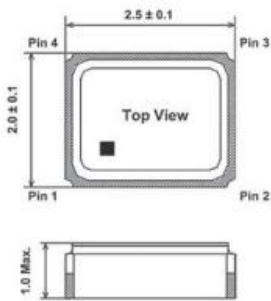
项目	Item/Type	Electrical Specifications
频率范围	Frequency Range	12MHz to 54MHz
频率偏差	Frequency Tolerance(ΔF)(at 25°C)	$\pm 10\text{ppm}$ to $\pm 20\text{ppm}$
温度频差	Frequency Drift	$\pm 15\text{ppm}$ to $\pm 30\text{ppm}$
工作温度范围	Operating Temperature Range	-40°C ~ +85°C
储存温度范围	Storage Temperature Range	-40°C ~ +85°C
老化	Aging (25°C)	$\pm 2\text{ppm/year max.}$
静电容	Shunt Capacitance (C0)	3pF max.
激励功率	Drive Level	200 μW MAX
等效串联电阻	Equivalent Series Resistance	100 Ω MAX
负载电容	Load Capacitance (CL)	8PF,10PF,12PF
热敏电阻值	Thermistor Value	100K Ω $\pm 1\%$
热敏电阻 B-常数	Thermistor B-constant	4250K Ω $\pm 1\%$

Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

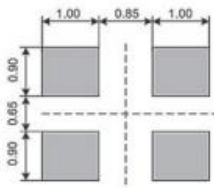
Frequency Range 频率范围	ESR(Ω) 等效阻抗	Mode 振荡模式
12~16MHz	150 Ω max.	Fundamental
16~50MHz	100 Ω max.	Fundamental
50~54MHz	40 Ω max.	Fundamental

Mechanical Dimensions 外型尺寸

Units:mm



SUGGESTED LAYOUT



PIN FUNCTION

	Symbol	Function
Pin 1	XT1	XTAL Terminal 1
Pin 2	RT2	Thermistor Terminal 2
Pin 3	XT2	XTAL Terminal 2
Pin 4	RT1	Thermistor Terminal 1

Note:
Pin 2 is connected to the metal lid and thermistor
Pin 4 is connected to the thermistor only