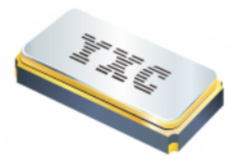
Crystal Unit
32.768KHZ
YST310S

Applications

- RTC

Features

- Dimensions: 3.20 x 1.50 x 0.70mm
- Standard Frequency: 32.768KHz
- High Precision and Tight Frequency Stability
- Excellent Heat Resistance and Environmental Characteristics



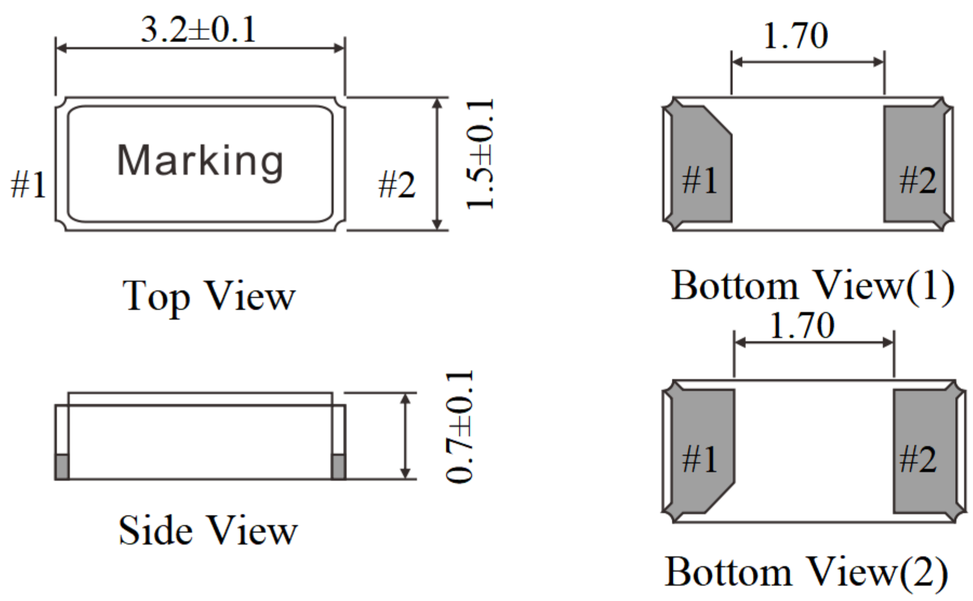
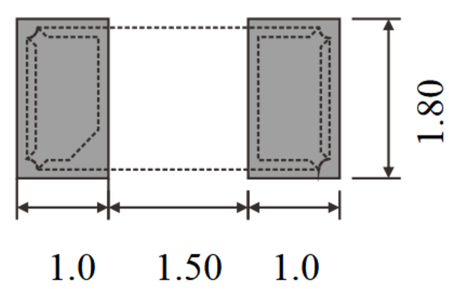
Specifications（规格参数）

Item	Symbol	Specifications
Nominal Frequency 标称频率	f_nom	32.768KHz
Load Capacitance 负载电容	CL	7pF, 9pF, 12.5pF, or specify
Frequency Tolerance 频率偏差 (at 25°C)	f_tol	±10ppm, ±20ppm, or specify
Parabolic Coefficient 频率温度系数	B	$-0.04 * 10^{-6} / °C^2$ Max
Operating Temperature 工作温度	T_use	-40~+85°C, or specify
Storage Temperature 储存温度	T_stg	-55~+125°C
Shunt Capacitance 静态电容	C0	2pF Max
Level of Drive 激励电平	DL	0.1μW Typ,0.5μW Max
Aging 老化(at 25°C)	f_age	±3ppm/year Max

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

YST310S
70KΩ Max

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

Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)
	

Recommended soldering Pattern