

Crystal Unit

32.768KHZ

YST310S



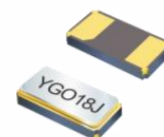
Applications

- 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



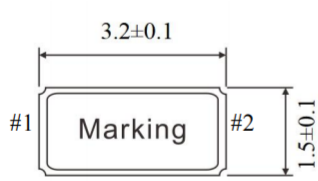
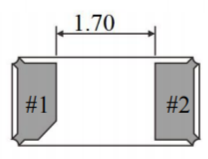
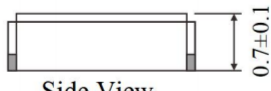
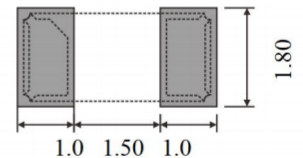
Specifications (规格参数)

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}	-20~+70°C, -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	0.5μW 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)
 Top View  Bottom View  Side View	 Recommended soldering Pattern