

# Crystal Unit

## 32.768KHZ

### YST310S



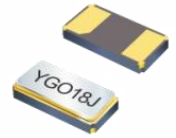
#### Applications

- 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	$(-0.03 \pm 0.01) * 10^{-6} / ^\circ\text{C}^2$
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	1.2pF Typ
Motional Capacitance (动态电容)	C1	4.4fF
Level of Drive (激励电平)	DL	1.0μW 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)
<p>Top View</p> <p>Side View</p> <p>Bottom View</p>	