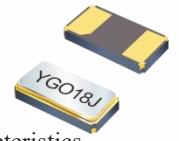


# Crystal Unit

## 32.768KHZ

### YST310S



#### Applications Features

- RTC
- Dimensions: 3.20 x 1.50 x 0.75mm
- Standard Frequency: 32.768KHz
- High precision and high frequency stability.
- Excellent heat resistance and environmental characteristics.

#### Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency (额定频率范围)	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 Max
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
70K Ω 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>	