

# Crystal Unit

## 32.768KHZ

# YSX146GA Glass Sealed



### Applications

- RTC

### Features

- Dimensions: 7.00 x 1.50 x 1.40mm
- Standard Frequency: 32.768KHz

- Contains Pb in Sealing Glass Exempted by ROHS Directive



## 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	$(-0.036 \pm 0.01) * 10^{-6} / ^\circ\text{C}^2$
Operating Temperature (工作温度)	T_use	-20~+70°C, -40~+85°C
Storage Temperature (储存温度)	T_stg	-55~+125°C
Shunt Capacitance (静态电容)	C0	2.0pF Max
Motional Capacitance (动态电容)	C1	3.0fF
Level of Drive (激励电平)	DL	1.0μW Max
Aging (老化) (at 25°C)	f_age	±5ppm/year Max

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

YSX146GA
65KΩ Max

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

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