

# Crystal Unit

## 32.768KHZ

### YSX146GA Glass Sealed



#### Applications

- RTC.

#### Features

- Dimensions: 7.00 x 1.50 x 1.40mm
- Standard Frequency: 32.768KHz
- Reflow is possible.
- Contains Pb in sealing glass exempted by ROHS directive.

### 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	( - 0.036 ± 0.01 ) * 10 <sup>-6</sup> / °C <sup>2</sup>
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
65K Ω Max.

### Dimensions and Recommended land pattern (外观尺寸及推荐焊盘)

Dimensions (Unit: mm)	Recommended land pattern(Unit: mm)

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