Crystal Unit

32.768KHZ

YSX146GA *Glass Sealed*

Applications

- RTC.

Features

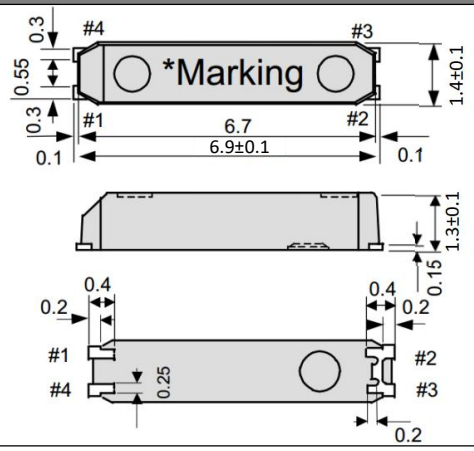
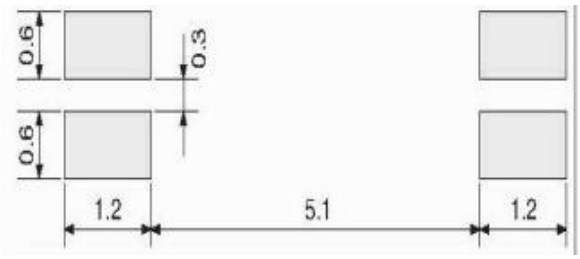
- Dimensions: 7.00 x 1.50 x 1.40mm
- Standard Frequency: 32.768KHz
- Reflow is possible.
- Contains Pb in sealing glass exempted by ROHS directive.

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	$(- 0.036 \pm 0.01) * 10^{-6} / °C^2$
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
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)