

Crystal Unit

32.768KHZ

YT-38 DIP



Applications

- RTC

Features

- Dimensions: 3.0 x 8.0mm
- Resistance Welded Type Crystal Units
- Standard Frequency: 32.768KHz
- Low Impedance Performance



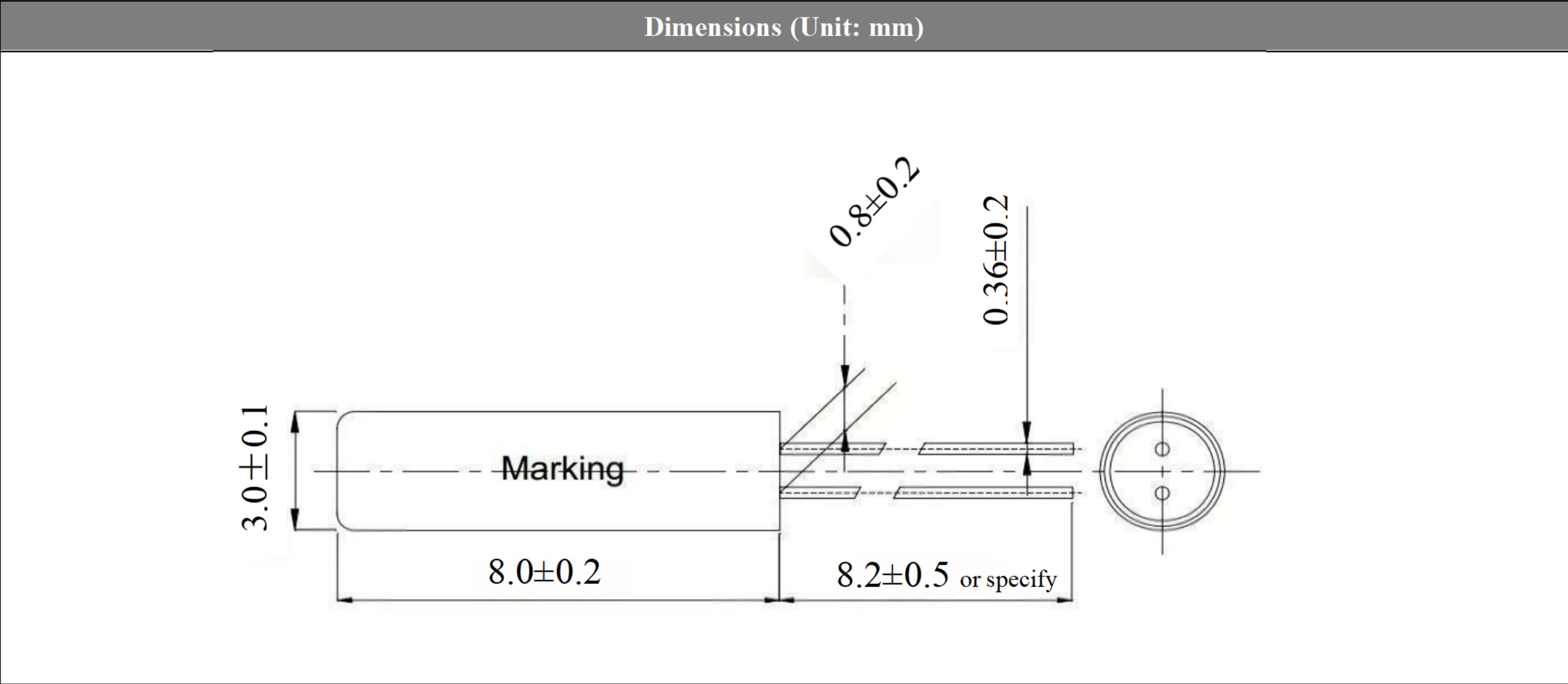
Specifications（规格参数）

Item	Symbol	Specifications
Nominal Frequency 标称频率	f_nom	32.768KHz
Load Capacitance 负载电容	CL	12.5pF, or specify
Frequency Tolerance 频率偏差 (at 25°C)	f_tol	±5ppm, ±10ppm, or specify
Parabolic Coefficient 频率温度系数	B	- 0.04 * 10 ⁻⁶ / °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	3.0pF Max
Level of Drive 激励电平	DL	0.1μW Typ, 0.5μW Max
Aging 老化 (at 25°C)	f_age	±3ppm/year Max

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

YT-38
40KΩ Max

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



Notice（注意）

- 1.Soldering conditions: For manual soldering, the temperature should be 280°C with a duration within 3 seconds.
- 2.Do NOT apply direct heat to the product housing. Abnormal product performance may occur.
- 3.If it is necessary to secure the crystal component on the circuit board, direct soldering is strictly prohibited. It is recommend-ed to use professional shock-resistant adhesive or resin adhesive for fixation.