

Crystal Unit

32.768KHZ

YT-38 DIP



Applications Features

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



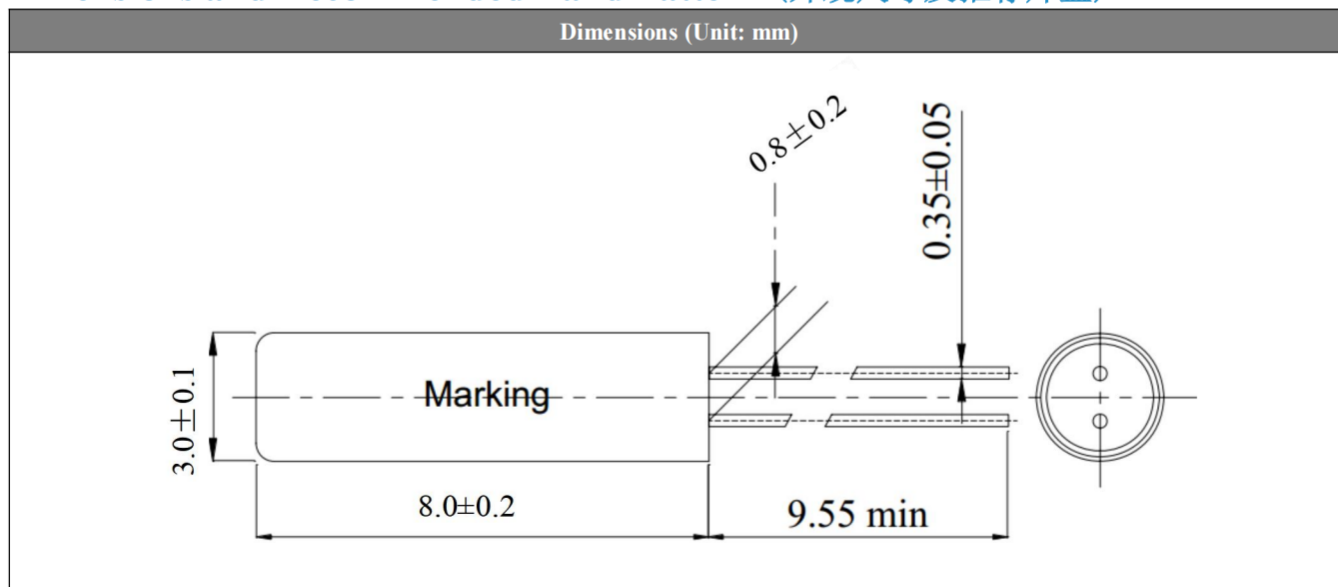
Specifications (规格参数)

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 recommended to use professional shock-resistant adhesive or resin adhesive for fixation.