

# TF206 Series 2x6 Tuning Fork Crystal

## FEATURE

- Wide Frequency range.
- High shock tolerance.
- Small size.
- Reliable frequency stability.
- Pb-free and RoHS/Green compliant.

## APPLICATIONS

- Permits use as a clock source for communication equipment, AV equipments, OA equipment, measuring instruments and various of clocks.

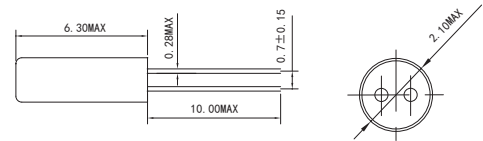


## Electrical Specifications 电气参数

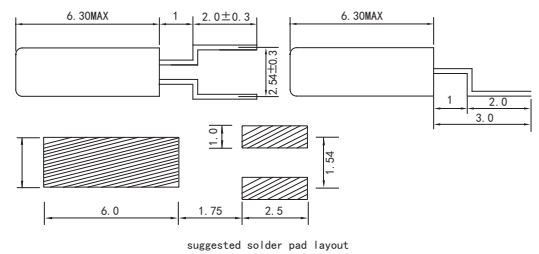
型号	Holder Type	Turning Fork 206 (KHZ)
频率范围	Frequency Range	30.000KHZ to 200.000KHZ
调整频差范围	Frequency Tolerance ( $\Delta F$ ) (at 25°C)	$\pm 10$ ppm to $\pm 30$ ppm
频率温度系数	Parabolic curvature constant	$-0.042$ ppm / ( $\Delta T$ ) <sup>2</sup> Maximum
Q值	Q - factor	50000 Minimum
工作温度范围	Operating Temperature Range	-10°C to +60°C
老化	Aging (at 25°C)	$\pm 5$ ppm/ year Maximum
保存温度范围	Storage Temperature Range	-40°C to +85°C
静电容	Shunt Capacitance (C0)	1.0PF Typical, 2pF Maximum
动电容	Motional Capacitance (C1)	2.5fF Typical
激励功率	Drive Level	1 $\mu$ W Maximum
绝缘阻抗	Insulation Resistance (Rs)	500 Megaohms Minimum at 100VD.C
负载电容	Load Capacitance (CL)	Suggested by customer

## Mechanical Dimensions 外型尺寸

UNIT (单位): mm (毫米)



### Lead Forming (引线折弯)



## Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR ( $\Omega$ ) 等效阻抗
$30 \leq f < 40$ KHZ	40KMAX
$40 \leq f < 60$ KHZ	30KMAX
$60 \leq f < 70$ KHZ	25KMAX
$70 \leq f < 100$ KHZ	22KMAX
$100 \leq f < 200$ KHZ	20KMAX

## Frequency vs. Temperature Curve 频率温度曲线

