

We are committed to the supply of all types of substrate wafers to the microelectronics industry

Tuning Fork

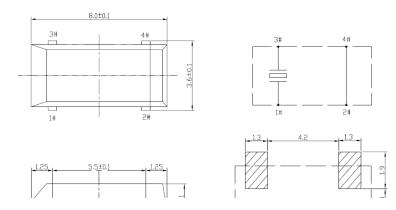
Why 32,768 Hz?	32,768
$32,768 = 2^{15}$	16,384
• In an analog watch, a stepping motor receives	8,192
one impulse per second which advances the second	4,096
hand by 6°, i.e., 1/60th of a circle, every second.	2,048
• Dividing 32,768 Hz by two 15 times results in 1 Hz 1,0	
• The 32,768 Hz is a compromise among size,	
power requirement (i.e., battery life) and stability.	
	, etc



Standard Specifications

Nominal Frequency 标称频率	32.768 KHz
Frequency Tolerance 频率公差	±20 ppm (at 25°C±3°C)
Load Capacitance 负载电容	12.5 pf
Equivalent Series Resistance 等效串联电阻	50 KOhms (Max.)
Drive Level 激励电平	1μW (Max.)
Shunt Capacitance 静电容	1.25 pf (Typ)
Operating Temperature Range 工作温度范围	-40°C~+85°C
Storage Temperature Range 储存温度范围	-55℃~+125℃
Turnover Temperature 拐点温度	25℃±5℃
Temperature Coefficient 温度系数	
Aging (First Year) 老化	±5ppm(at 25°C)

Package Dimension



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