M49SMD 32.768KHz Crystal

APPLICATIONS

- RTC and Clocks
- IoT and Wireless Devices
- Smart Wearable Electronics

FEATURE

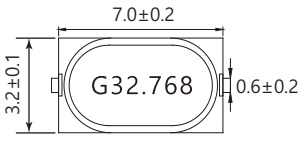
- Mini 49SMD
- Low Current
- Tight Tolerance
- High Stability

Electrical Specifications 电气参数

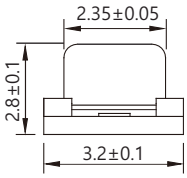
项目	Item/Type	Electrical Specifications
标称频率	Nominal Frequency	32.768KHz
调整频差	Frequency Tolerance(at 25°C)	±10ppm to ±20ppm
频率温度系数	Parabolic Coefficient	$-0.034\times10^{-6}/°C^2$ max.
工作温度	Operating Temperature Range	-20°C ~ +70°C
等效串联电阻	Equivalent Series Resistance(ESR)	60KΩ max.
静电容	Shunt Capacitance(C0)	1.0pF typical
激励功率	Drive Level(DL)	0.5μW max.
负载电容	Load Capacitance(CL)	6pF,7pF,12.5pF
拐点温度	Turning Temperature	+25°C±5°C
储存温度	Storage Temperature Range	-40°C ~ +85°C
年老化率	Aging(25°C)	±3ppm/year max.

Mechanical Dimensions 外型尺寸

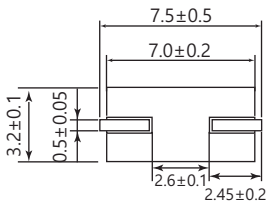
Units:mm



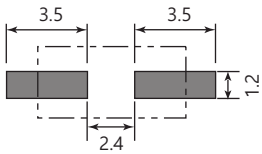
Top View



Side View



Bottom View



Land Pattern