

**SiTime™****MEMS Timing Solutions****µPower Oscillators**

Static sensitive device

SiTime µPower MEMS oscillators are designed specifically for wearable, IoT and mobile applications where space and power are critical. They are up to 90% lower in power consumption and up to 80% smaller in size than quartz oscillators while available in the widest frequency range.

Key Features:

- <1 to 100 uA current consumption
- 1.5 x 0.8 mm x mm (CSP) and 2.0 x 1.2 mm x mm (DFN) packages
- 1 Hz to 26 MHz frequency range
- 1.2 to 3.63 V supply voltage
- Low phase jitter for portable audio application
- Configurable drive strength to drive multiple loads or reduce EMI

MHz Range

Device	Frequency (kHz)	Operating Temp. Range	Temperature Stability	Package Size mm	Voltage V(DC)
SIT8021	1 to 26 MHz	-40°C to +85°C	±10PPM	1.5 x 0.8 CSP	1.8V DC

kHz Range

Device	Frequency (kHz)	Operating Temp. Range	Initial Accuracy at 25°C	Stability over OTR	Package Size mm	Voltage V(DC)
SIT1532	32.768kHz	-10°C to +70°C or -40°C to +85°C	±10PPM	±75 to ±100 PPM	1.5 x 0.8 CSP	1.2 to 3.63
SIT1533	32.768kHz	-10°C to +70°C or -40°C to +85°C	±20PPM	±75 to ±100 PPM	2.0 x 1.2 SMD	1.2 to 3.63
SIT1534	Programmable 1 Hz to 32.768 kHz	-10°C to +70°C or -40°C to +85°C	±20PPM	±75 to ±100 PPM	1.5 x 0.8 CSP or 2.0 x 1.2 SMD	1.2 to 3.63
SIT1552 TCXO	32.768kHz	-10°C to +70°C or -40°C to +85°C		±5 to ±20 PPM	1.5 x 0.8 CSP	1.5 to 3.63
SIT1630	32.768kHz	-10°C to 70°C -40°C to 85°C -40°C to 105°C	±10PPM	±75 to ±100 PPM	2.0 x 1.2 SMD	1.2 to 3.63

Please contact our sales office for full datasheets relating to any of the above products.