

### Features

- Ultra-small SMD package: 1.5×0.8 mm (1508)
- Ultra-low power: <1 μA
- Supply voltage: 1.5V~3.63V
- <10ppm initial tolerance
- Internal filtering eliminates external Vdd bypass capacitors
- <100ppm stability over -40°C to +85°C
- Fast startup time of 5ms.
- RoHS, Pb-Free and REACH compliant
- Application of Mobile Phone, RTC Reference Clock, Sport Video Cams, Fitness Watches, and more.



### Electrical Specifications

Item /Type	S6XX (Low Power 32.768kHz Oscillators)
Frequency Output	32.768 kHz
Frequency Tolerance	±10ppm
Operating Temperature Range	-20~+70°C / -40~+85°C
Supply Voltage	1.5V~3.63V
Frequency Stability	±75ppm (-10~+70°C)
Core Operating Current	0.9μA Type.
Power-Supply Ramp	100ms Max.
Duty Cycle	48~52%
Rise /Fall Time	200ns Max.
Output High Voltage	90% VDD
Output Low Voltage	10% VDD
Startup Time	180ms Typ.
Maximum Output Drive	50pF Max.
Period Jitter	35 ns <sub>RMS</sub> Typ.
Storage Temperature Range	-40~+105°C
25°C Aging	±1ppm Max./Year

### Dimensions

