

SiTime's MEMS low power oscillators offer the widest range of features and options for best system performance. They are 100% drop-in replacements for quartz.

They support:

- Frequencies from 1 to 137 MHz with 6 decimal places of accuracy
- Frequency stability as good as ± 20 PPM
- Low power consumption
- 1.8V, 2.5V to 3.3V operation
- Industry standard footprints – 2016, 2520, 3225, 5032 and 7050 packages
- Available in industrial, extended commercial temperature ranges
- Available as field programmable for use with the Time Machine II oscillator programmer

Device	Frequency (MHz)	Temperature Range	Stability (PPM)	Package Size mm	Voltage V(DC)	Field Programmable	Logic Output
SIT1602B	52 Standard Frequencies	-20°C to +70°C -40°C to +85°C	± 20 ± 25 ± 50	2.0x1.6, 2.5x2.0 3.2x2.5, 5.0x3.2 7.0x5.0	1.8 2.5 to 3.3	Yes	LVC MOS/HCMOS Compatible
SIT8008B	1.0 to 110 MHz	-20°C to +70°C -40°C to +85°C	± 20 ± 25 ± 50	2.0x1.6, 2.5x2.0 3.2x2.5, 5.0x3.2 7.0x5.0	1.8 2.5 to 3.3	Yes	LVC MOS/HCMOS Compatible
SIT8009B	115 to 137 MHz	-20°C to +70°C -40°C to +85°C	± 20 ± 25 ± 50	2.0x1.6, 2.5x2.0 3.2x2.5, 5.0x3.2 7.0x5.0	1.8 2.5 to 3.3	Yes	LVC MOS/HCMOS Compatible
SIT8503	0.2 to 1 MHz	-20°C to +70°C -40°C to +85°C	± 20 ± 25 ± 50	2.5x2.0 3.2x2.5, 5.0x3.2 7.0x5.0	1.8 2.5 to 3.3	N/A	LVC MOS/LVTTL Compatible
SIT8003XT	1.0 to 110 MHz	-20°C to +70°C -40°C to +85°C	± 100	Thinnest (0.27mm)	1.8 2.5 to 3.3	N/A	LVC MOS/LVTTL Compatible
SIT8033	2.0 to 110 MHz	-20°C to +70°C -40°C to +85°C	± 20 ± 25 ± 50	2.5x2.0 3.2x2.5, 5.0x3.2 7.0x5.0	1.8 2.5 to 3.3	N/A	LVC MOS/LVTTL Compatible

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