

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  $\pm 20$  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
<a href="#">SIT1602B</a>	52 Standard Frequencies	-20°C to +70°C -40°C to +85°C	$\pm 20$ $\pm 25$ $\pm 50$	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
<a href="#">SIT8008B</a>	1.0 to 110 MHz	-20°C to +70°C -40°C to +85°C	$\pm 20$ $\pm 25$ $\pm 50$	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
<a href="#">SIT8009B</a>	115 to 137 MHz	-20°C to +70°C -40°C to +85°C	$\pm 20$ $\pm 25$ $\pm 50$	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
<a href="#">SIT8503</a>	0.2 to 1 MHz	-20°C to +70°C -40°C to +85°C	$\pm 20$ $\pm 25$ $\pm 50$	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
<a href="#">SIT8003XT</a>	1.0 to 110 MHz	-20°C to +70°C -40°C to +85°C	$\pm 100$	Thinnest (0.27mm)	1.8 2.5 to 3.3	N/A	LVC MOS/LVTTL Compatible
<a href="#">SIT8033</a>	2.0 to 110 MHz	-20°C to +70°C -40°C to +85°C	$\pm 20$ $\pm 25$ $\pm 50$	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.