



SiTime™

MEMS Timing Solutions



Ultra-Performance LVCMOS/LVTTL Oscillators

Static sensitive device

SiTime's ultra performance oscillators deliver 0.6 ps phase jitter (12 kHz to 20 MHz) and ±10ppm stability.

These devices are the first MEMS timing solutions to exceed the stringent SONET clocking requirements, and are ideal for applications in telecom, networking and storage. They are 100% drop-in replacements for crystal oscillators and third-overtone oscillators.

They support:

- Frequencies from 1 MHz to 220 MHz with 6 decimal places of accuracy
- 1.8V, 2.5V to 3.3V operation
- Industry standard footprints – 2520, 3225, 5032 and 7050 packages
- Industrial and extended commercial temperature ranges

Device	Frequency (MHz)	Temperature Range	Stability (PPM)	Package Size mm	Voltage V(DC)	Field Programmable
SiT8208	1.0 to 80.0 MHz	-20°C to +70°C -40°C to +85°C	±10 ±20 ±25 ±50	2.5x2.0,3.2x2.5 5.0x3.2,7.0x5.0	1.8 2.5 to 3.3	Yes
SiT8209	80.00001 MHz to 220.00 MHz	-20°C to +70°C -40°C to +85°C	±10 ±20 ±25 ±50	2.5x2.0,3.2x2.5 5.0x3.2,7.0x5.0	1.8 2.5 to 3.3	Yes
SiT8225	25, 25.000625, 25.001200	-20°C to +70°C -40°C to +85°C	±10 ±20 ±25 ±50	2.5x2.0,3.2x2.5 5.0x3.2,7.0x5.0	1.8 2.5 to 3.3	N/A
SiT8256	156.25, 156.253906, 156.257800, 156.257812, 156.261718	-20°C to +70°C -40°C to +85°C	±10 ±20 ±25 ±50	2.5x2.0,3.2x2.5 5.0x3.2,7.0x5.0	1.8 2.5 to 3.3	N/A

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