

SiTime MEMS Timing Benefits

Leading vendor in GNSS

- Navigation infrastructure
- Financial transactions
- Wireless network

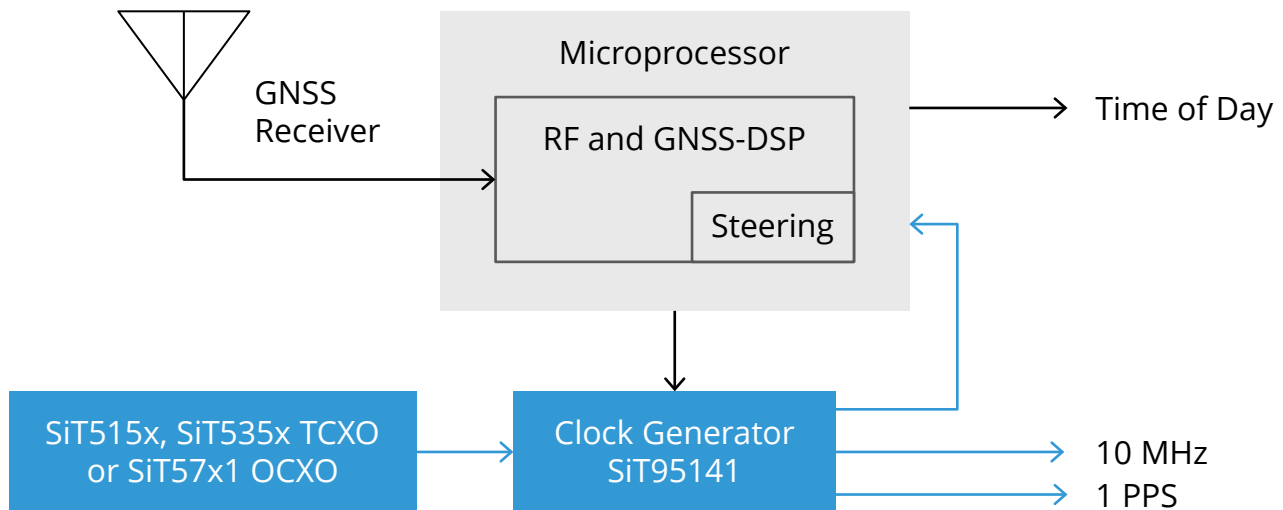
Accuracy and robustness, no compromises

- Robust for mobile systems: 30,000g shock
- Precision tuning: ± 5 ppt resolution
- Faster GNSS lock: ± 40 ppt/ $^{\circ}\text{C}$ dF/dT

Easy to use, built to last

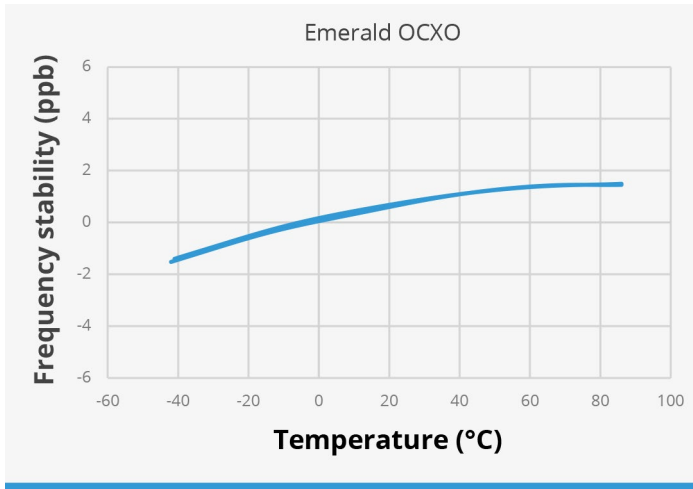
- Custom configured solution
- No quartz reliability issues
- 1 billion hour MTBF

MEMS Timing Solution for GNSS Disciplined Systems

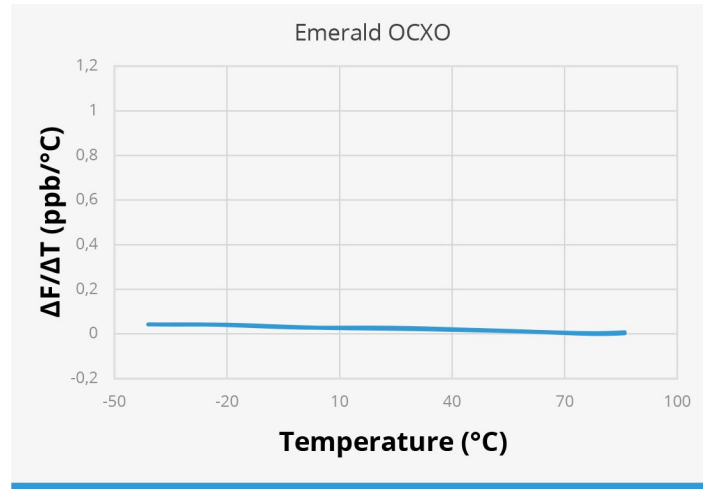


Devices	Type	Function	Key Features
SiT515x	Super-TCXO	Filter wander from incoming GNSS and maintain signal lock	1 to 220 MHz, ± 0.5 to ± 2.5 ppm, ± 15 ppb/ $^{\circ}\text{C}$, 70g vibration survivability
SiT535x	Super-TCXO		1 to 220 MHz, ± 50 to ± 250 ppb, ± 1 ppb/ $^{\circ}\text{C}$, 70g vibration survivability
SiT5721	Digitally Controlled OCXO		1 to 60 MHz, ± 5 ppb, ± 40 ppt/ $^{\circ}\text{C}$, I ² C Programmable
SiT5711	Precision OCXO		1 to 60 MHz, ± 5 ppb, ± 40 ppt/ $^{\circ}\text{C}$
SiT95141	Clock Generator	Clock management and facilitate feedback loop	8 kHz to 2.1 GHz, 4 input and 10 output, 4 PLL

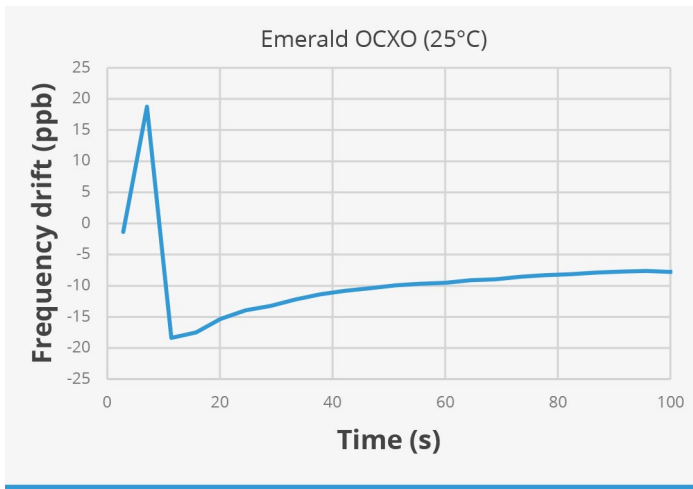
Better Stability



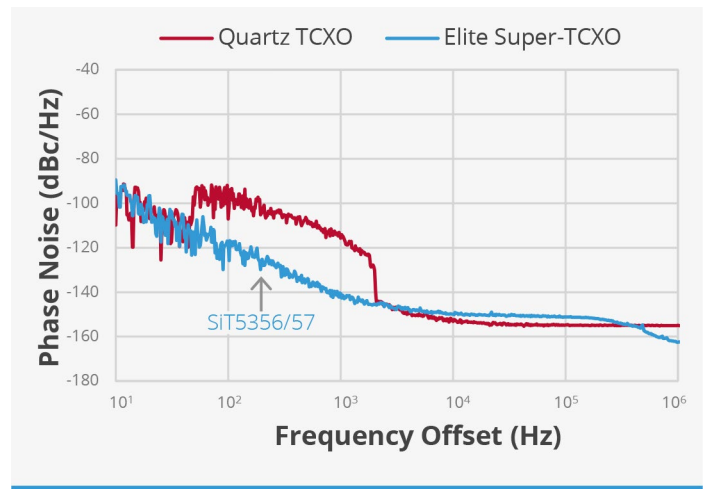
Better Frequency Slope



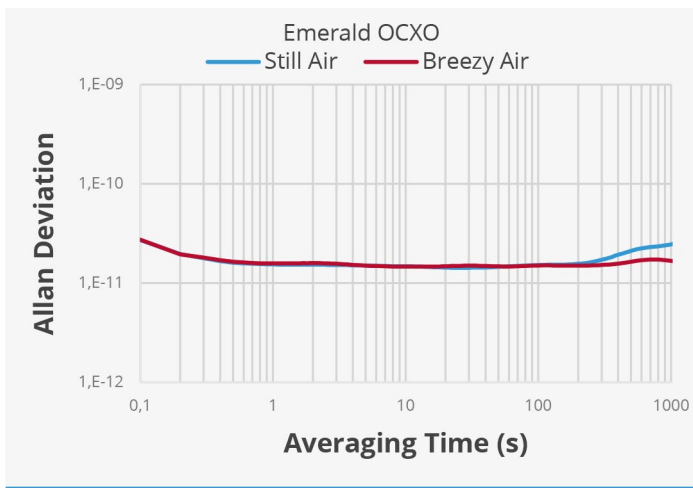
Faster Warm Up



Better Vibration Resistance



Better Allan Deviation



Better Aging

