



SiTime Enters \$4B Resonator Market with Titan Platform™

Titan Is the Timing Market's Smallest Resonator and Enables the Highest Levels of Integration

SANTA CLARA, Calif.--(BUSINESS WIRE)--Sep. 17, 2025-- [SiTime Corporation](#) (NASDAQ: SITM), the Precision Timing company, today launched the [Titan Platform™](#), a breakthrough family of MEMS resonators that are at least 4x smaller than the smallest legacy quartz alternatives. Titan enables unprecedented miniaturization and integration in small, battery-powered, connected devices, powering the next wave of innovation in wearables, medical devices, smart home and industrial IoT. Titan expands SiTime's Serviceable Addressable Market (SAM) by \$400 million now, growing to \$1 billion annually within three years.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20250917202887/en/>



Titan is built on SiTime's sixth-generation MEMS technology, FujiMEMS™, delivering unmatched size, performance and reliability.

“Titan fulfills our vision of being the only provider of complete timing components—oscillators, clocks and now, resonators,” said Rajesh

Vashist, CEO of SiTime. “Titan is the result of over a decade of innovation in MEMS design, materials science and semiconductor process engineering. SiTime's proprietary MEMS technology, now in its sixth generation with FujiMEMS™, is the foundation for Titan, which is years ahead of competitors. By integrating resonators into SoCs, MCUs, and wireless chip packages at scale, customers can capture more system value and revenue with their products. This integration is transformative for the entire electronics industry.”

Built for Integration. Designed for Disruption.

In electronic systems, resonators are the heartbeat of the clock tree. Titan offers two flexible implementation paths:

- PCB-mounted for rapid adoption.
- Bare die co-packaging with SoCs or MCUs, eliminating the need for a discrete resonator on the board.

This flexibility allows OEMs and semiconductor partners to shrink product size and add new features for superior designs.

Real-world Applications

Titan is engineered for the most demanding edge applications:

- Wearables: Smartwatches, fitness bands, continuous glucose monitors, smart eyewear, and fitness rings benefit from Titan's ultra-small footprint and low power.
- Medical Devices: Hearing aids, implantables and biosensors gain longer battery life and better reliability.
- Smart Home & Industrial IoT: Sensors and asset trackers become more compact, rugged, and power-efficient.

“SiTime's Titan resonators are a game-changer,” said Scott Hanson, founder and CTO of Ambiq. “Our partnership with SiTime allows us to deliver a uniquely integrated solution—combining ultra-low power

processing with Precision Timing. This collaboration empowers our customers to build intelligent, connected products that push the boundaries of what's possible, especially in Edge AI applications where performance and efficiency are critical.”

Powered by FujiMEMS™ Technology

Titan is built on SiTime's sixth-generation MEMS technology, FujiMEMS™, delivering unmatched performance and reliability compared to legacy quartz resonators:

- Smallest size: 0505 CSP (0.46 x 0.46 mm)—7x smaller PCB area than 1210 quartz, 4x smaller than 1008 quartz.
- Up to 50% lower oscillator circuit power.
- Up to 3x faster startup with 3x lower startup energy.
- Up to 5x better aging stability and specified for 5 years at the maximum temperature.
- Tighter stability across wide temperature ranges up to –40°C to 125°C.
- Up to 50x better shock and 50x better vibration resilience.

Availability

- Titan SiT11100 (32 MHz): production samples available now.
- Titan SiT11101 (76.8 MHz), SiT11102 (38.4 MHz), SiT11103 (48 MHz) and SiT11104 (40 MHz): engineering samples will be available starting December 15, 2025.

Resources

- [Blog](#)
- [Titan Platform page](#)
- [Request samples](#)

Forward-Looking Statements

This press release may contain forward-looking statements regarding future events within the meaning of the federal securities laws. These forward-looking statements are intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. Readers are cautioned that these forward-looking statements involve risks and uncertainties that could cause our actual results and the timing of events to differ materially from those anticipated in such forward-looking statements, including, but not limited to, any statement that may predict, forecast, indicate, or imply future events results, or achievements; and other risks and uncertainties described more fully in our documents filed with or furnished to the Securities and Exchange Commission. More information about these and other risks that may impact our business is set forth in our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and other documents filed by us from time to time with the Securities and Exchange Commission. All forward-looking statements in this press release are based on information available to us as of the date hereof and qualified in their entirety by this cautionary statement, and we assume no obligation to revise or update these forward-looking statements.

About SiTime

SiTime Corporation is the Precision Timing company. Our semiconductor MEMS programmable solutions offer a rich feature set that enables customers to differentiate their products with higher performance, smaller size, lower power, and better reliability. With more than 3.5 billion devices shipped, SiTime is changing the timing industry. For more information, visit www.sitime.com.

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