

## SiTime MEMS timing benefits

### Smallest Footprint and Power

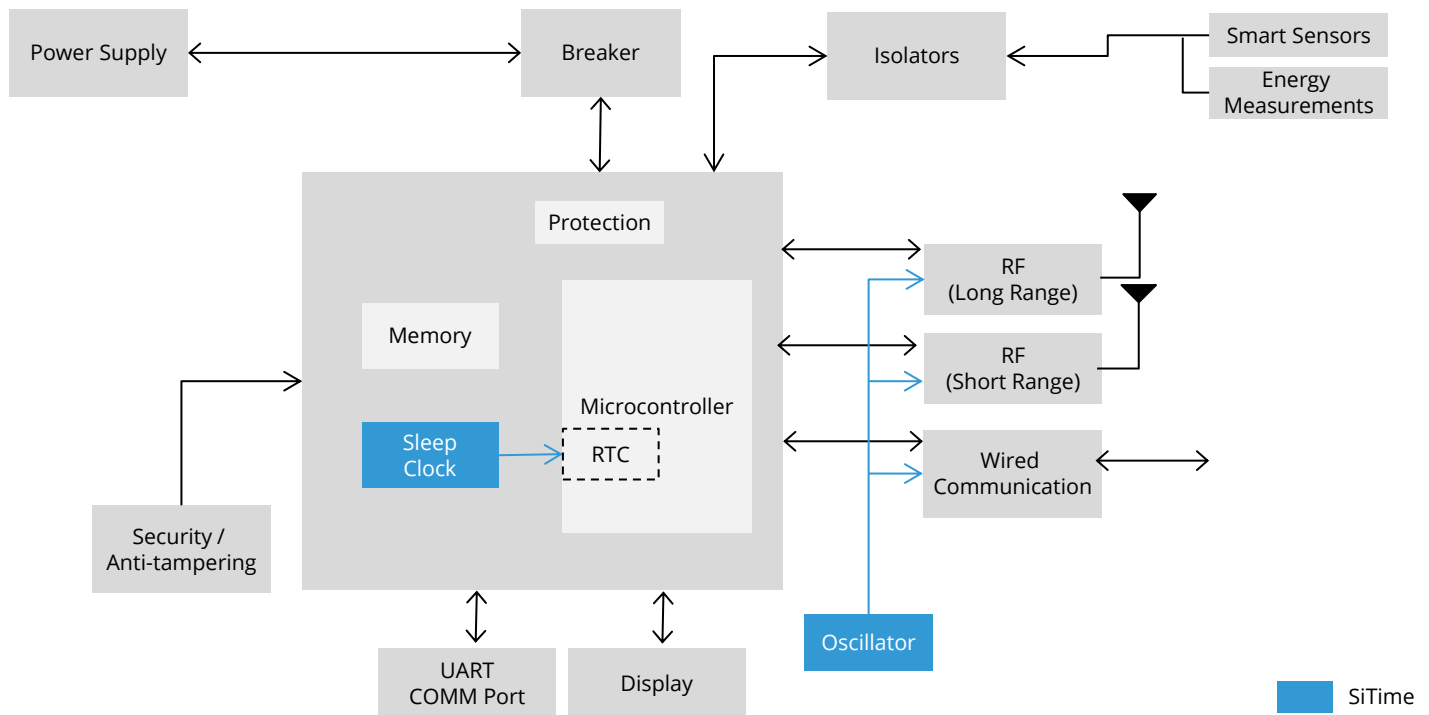
- 1.2 mm<sup>2</sup> CSP
- Ultra-low power up to <1  $\mu$ A
- NanoDrive™ allows programmable output swing

### Robust Clocking Solutions

- $\pm 5$  ppm frequency stability
- Immunity to power supply noise
- Gas hermetically sealed
- LVCMOS enables driving multiple loads

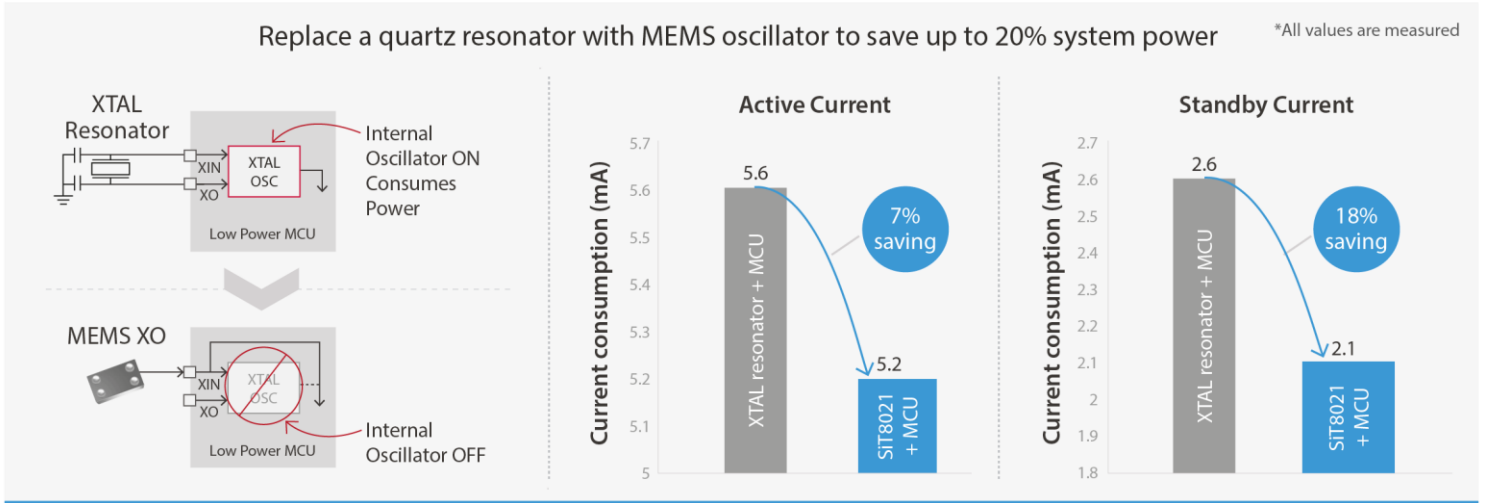
### Integrated MEMS, easy to use

- No external quartz
- No quartz reliability issues
- No cover or shielding

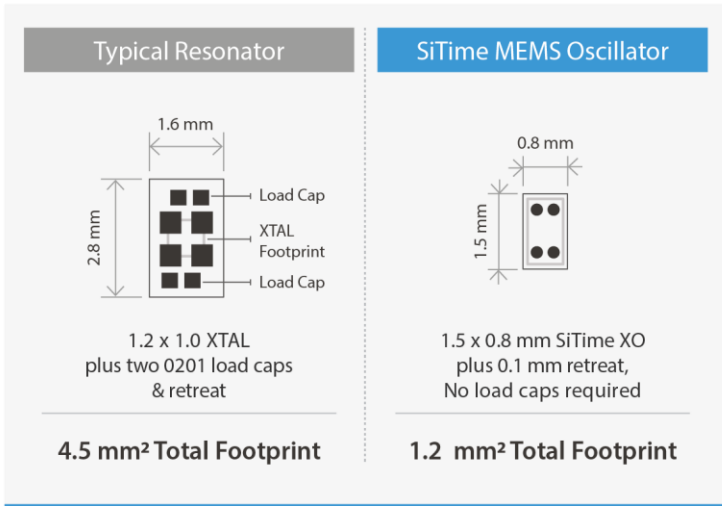


Application	Devices	Type	Key Features
Smart Meters	<a href="#">SIT1532</a> <a href="#">SIT1534</a>	XO	Low power: <1 $\mu$ A NanoDrive™ technology: Optimize output swing Stability: $\pm 10$ ppm
	<a href="#">SIT1569</a> <a href="#">SIT8021</a>	XO	Programmable frequencies: 1 Hz to 2.5 MHz Higher stability: $\pm 25$ ppm
	<a href="#">SIT1576</a>	TCXO	Programmable frequencies: 1 Hz to 2.5 MHz Stability: $\pm 5$ ppm LVCMOS: Drive multiple loads
	<a href="#">SIT1552</a>	TCXO	Low power : <1 $\mu$ A NanoDrive™ output to optimize swing Stability: $\pm 5$ ppm
	<a href="#">SIT1580</a>	TCXO	Low power : <4.5 $\mu$ A High robustness: Immune to small molecular gasses LVCMOS: Drive multiple loads

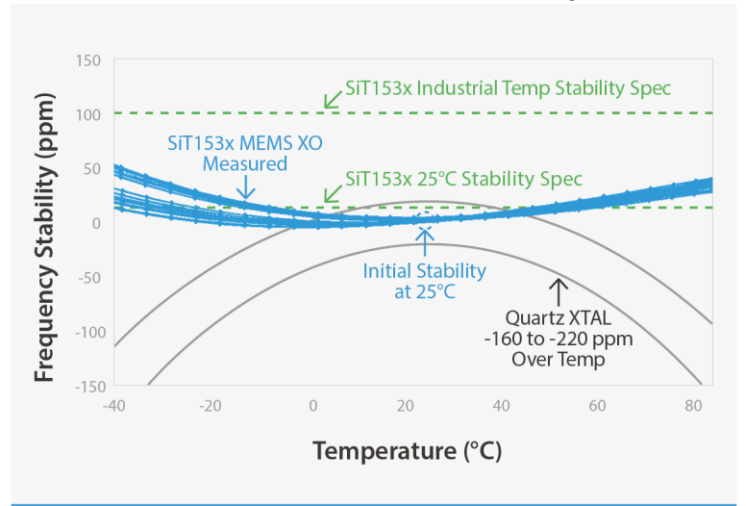
## Lower Power



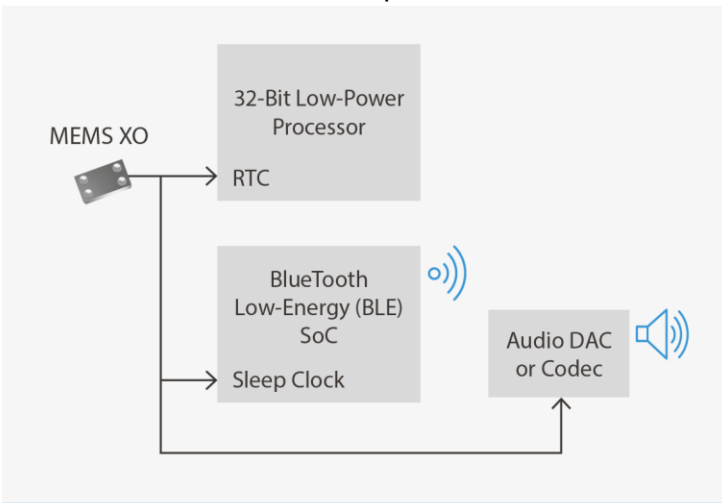
## Smallest Size, Lower BOM



## Best 32 kHz Oscillator Stability



## Drive Multiple Loads



## Low Power Feature

