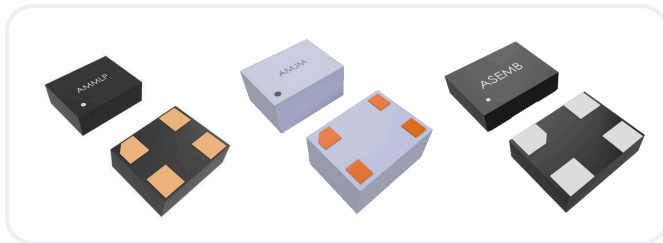




MEMS vs. Crystals Comparison

MEMS oscillators can offer several advantages over traditional crystal oscillators, including superior size, power efficiency, and environmental robustness, making them ideal for applications that require a small form factor and durability. They provide excellent frequency stability across a wide range of temperatures and allow for extensive frequency customization, enhancing their versatility.

MEMS



Crystals



Oscillator Types	MEMS	Quartz
Cost	✗	✓
Size	✓	✗
Phase Noise / Jitter	✗	✓
Custom Frequency	✓	✗
Short Leadtime Delivery	✓	✓
Tight Stability	✓	✓
Extended Temperature	✓	✓
Extreme Shock/Vibration	✓	✗