

Power Optimized MEMS Oscillators

AMJM | AMJD | AMPM | AMPD Series

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Our AMJM / AMJD / AMPM / AMPD series of power optimized MEMS (micro electro-mechanical systems) oscillators are designed for compact, portable and battery-powered applications. MEMS devices present a very small footprint while producing an accurate clock that is robust and immune to shock and vibration. These oscillators are ideal for industrial, commercial and consumer applications requiring a high level of durability. These devices can be factory configured with any frequency and an optional standby function that enables 12 μ A current consumption to extend battery life when the clock signal is not in use. The AMJD and AMPD series offer a frequency select pin allowing the output frequency to be switched between two frequencies.

FEATURES

- Low Power Consumption
- Low 0.84mm Profile
- Compact Footprint as Small as 1.6 x 1.2mm
- Short Lead Time for New Frequencies
- Wide -40°C to +85°C Operating Temperature Range

APPLICATIONS

- Internet of Things (IoT)
- Industrial IoT
- Wearables
- Drones and Robotics
- Audio and Video

Series	Functional Options	Standby IDD	IDD	Frequency Range	Footprints Available	Temp Options	Stability Options
AMJM	OE or Standby	12 μ A	3mA	1 to 100MHz	1.6x1.2mm 4pad 2.0x1.6mm 4pad 2.5x2.0mm 4pad 3.2x2.5mm 4pad	-40°C to +85°C -20°C to +70°C	±50ppm ±25ppm
AMJD	Frequency Select	N/A					
AMPM	OE or Standby	12 μ A	1.3mA	1 to 80 MHz			
AMPD	Frequency Select	N/A					