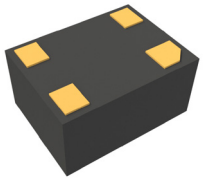
POWER OPTIMIZED MEMS OSCILLATORS

AMJM | AMJD | AMPM | AMPD

Available Footprints:

1.6 x 1.2mm 4pad
2.0 x 1.6mm 4pad
2.5 x 2.0mm 4pad
3.2 x 2.5mm 4pad



AMJM | AMJD | AMPM | AMPD

Power Optimized MEMS Oscillators

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 12µA 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	12µA	3mA	1 to 100MHz	1.6 x 1.2mm 4pad 2.0 x 1.6mm 4pad 2.5 x 2.0mm 4pad 3.2 x 2.5mm 4pad	-40°C to +85°C -20°C to +70°C	±50ppm ±25ppm
AMJD	Frequency Select	N/A					
AMPM	OE or Standby	12µA	1.3mA	1 to 80 MHz			
AMPD	Frequency Select	N/A					