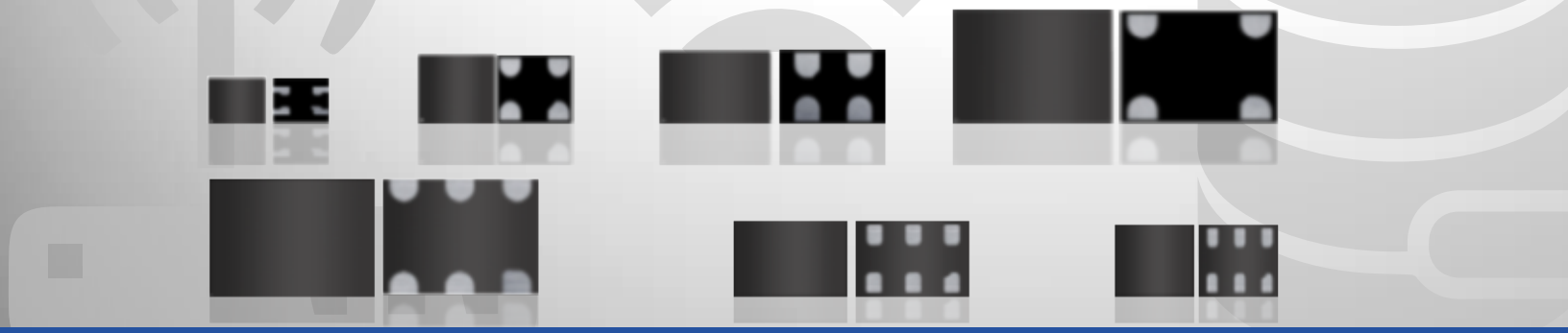
High Performance MEMS Oscillator



Abracon releases new High Performance MHz MEMS Oscillator

ASTMUPC, ASTMUPLD, ASTMUPLP series

Abracon has introduced its **new** high performance MHz MEMS Oscillators, **ASTMUPC, ASTMUPLD and ASTMUPLP** series, offered in a variety of Industry standard footprints.

These solutions are available in 2.7 x 2.4 x 0.75mm (ASTMUPC series only, compatible with 2520 package footprint), 3.2 x 2.5 x 0.75mm, 5 x 3.2 x 0.75mm, 7.0 x 5.0 x 0.9mm and factory configurable to any desired frequency in the 1MHz to 220MHz range for LVCMOS output and 1MHz to 625MHz range for LVDS and LVPECL outputs.

These devices offer excellent rms phase jitter (0.6ps typical @156.25MHz, over the integration bandwidth of 12kHz to 20MHz). In addition, these devices are available with tight frequency stability down to +/-10ppm max over -40°C to +85°C.

This latest MEMS Oscillator offering from Abracon is an ideal drop-in replacements for general purpose crystal oscillators, while providing superior jitter performance, immunity to shock, vibration and humidity.

Features:

- Industry Standard package sizes: 2.7 x 2.4 x 0.75mm (ASTMUPC only, compatible with 2520 package footprint), 3.2 x 2.5 x 0.75mm, 5 x 3.2 x 0.75mm, 7.0 x 5.0 x 0.9mm
- Any frequency between 1MHz and 220MHz (LVCMOS); 1MHz to 625MHz (LVDS & LVPECL)
- Supply Voltage options: 3.3V, 2.8V, 2.5V, 1.8V
- Ultra-low RMS phase jitter: 0.6ps typ. (@156.25MHz, integration bandwidth: 12kHz to 20MHz)
- Frequency Stability options: ±10ppm, ±20ppm, ±25ppm, ±50ppm over -20 to +70°C and -40 to +85°C

Application:

- Ethernet, SATA, SAS, PCI Express
- WiFi
- Video
- Computing
- Storage
- Servers
- Networking
- Telecom
- Industrial control
- Instrumentation
- Harsh environment (vibration, shock-prone and humid)

Datasheet links:

- ASTMUPC http://www.abracon.com/Oscillators/ASTMUPC.pdf
- ASTMUPLP http://www.abracon.com/Oscillators/ASTMUPLP.pdf
- ASTMUPLD http://www.abracon.com/Oscillators/ASTMUPLD.pdf

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