

- Product Announcement -

NEW: MEMS JSO AC Series
Automotive MEMS oscillators
in industry standard SMD packages



JSO AC series - configurable automotive MEMS silicon oscillators

JSO21 AC - JSO22 AC - JSO32 AC - JSO53 AC - JSO75 AC

The AEC-Q100 qualified JSO AC MEMS oscillator series for automotive applications provides a wide operating temperature range, high frequency stability, and very high shock and vibration immunity.

Due to their robustness and reliability, this MEMS oscillator series is suitable for various applications in the automotive sector.

Key-features of the JSO AC Series:

- qualified according to AEC-Q100 Grade 1 ~ 3
- configurable to customers' specification
- very quick delivery, available on short leadtimes (within 48 hours)
- large operating temperature range: -55 ° C ~ + 125 ° C
- high frequency stability over the entire operating temperature range: +/- 20 ppm
- extremely high shock and vibration resistance: 50.000 G shock and 70 G vibration resistance
- extremely reliable due to the semiconductor production process
- available in 5 different industry standard SMD packages:
 - JSO21 AC 2.0 x 1.6 x 0.8 mm (2016)
 - JSO22 AC 2.5 x 2.0 x 0.8 mm (2520)
 - JSO32 AC 3.2 x 2.5 x 0.8 mm (3225)
 - JSO53 AC 5.0 x 3.2 x 0.8 mm (5032)
 - JSO75 AC 7.0 x 5.0 x 0.9 mm (7050)
- wide frequency range: 1.0 MHz to 137 MHz
- HCMOS/LVCMOS output
- low current consumption
- supply voltages: 1.8V, 2.5V, 2.8V, 3.0V, 3.3V and variable 2.5V ~ 3.3V
- enable / disable or power down options
- 100% lead-free, RoHS and REACH-compliant



actual sizes



Typical applications are:

- driver infotainment system, automotive ethernet communication
- engine control, LED headlights, battery management
- dynamic vehicle control, suspension control



RoHS compliant



Pb free



REACH compliant



Conflict mineral free



Jauch MEMS – Uses SiTime's MEMS First™ technology