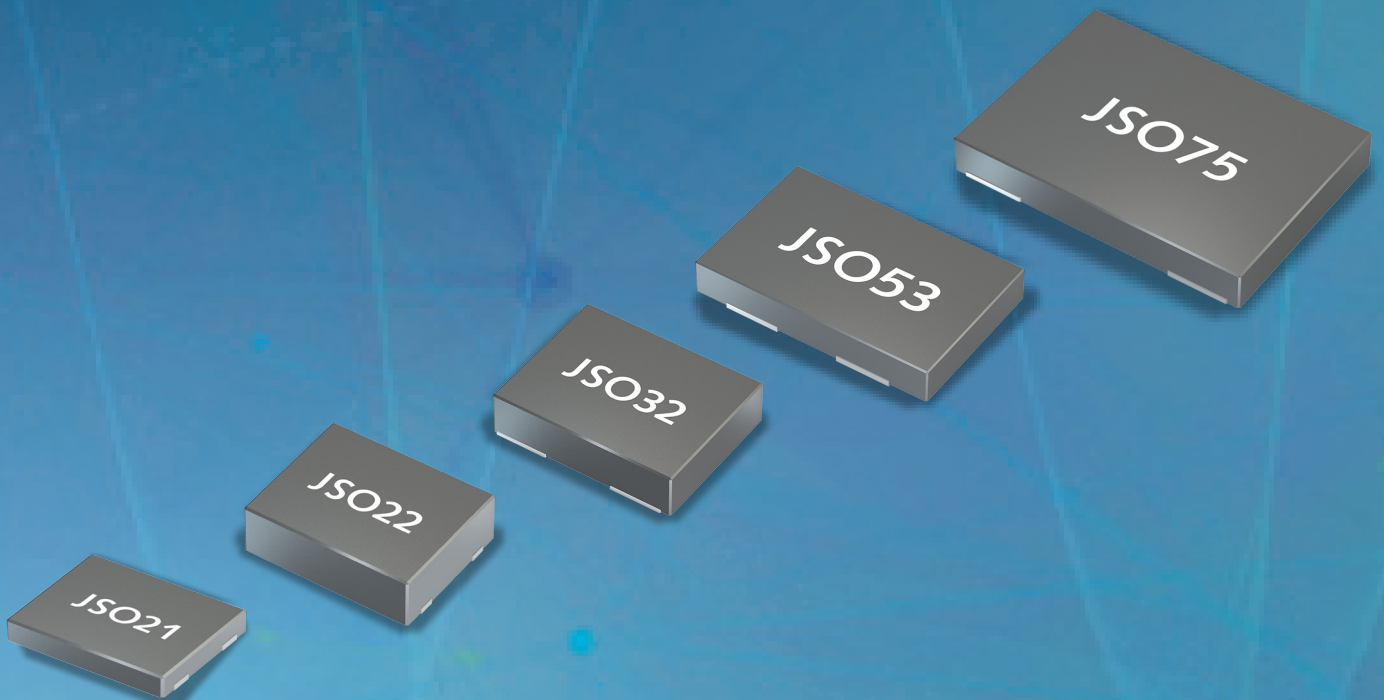


**NEW:** MEMS JSO AC Series  
Automotive MEMS oscillators  
in industry standard SMD packages



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

## NEW: JSO AC series - configurable automotive MEMS silicon oscillators



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:

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)
large operating temperature range:	-55°C ~ +125°C
high frequency stability over entire operating temperature range:	± 20 ppm
extremely high shock and vibration resistance:	50.000 G shock and 70 G vibration resistance
wide frequency range:	1.0 MHz to 137 MHz
supply voltages:	1.8V, 2.5V, 2.8V, 3.0V, 3.3V and variable 2.5V ~ 3.3V
qualified according to AEC-Q100 Grade 1 ~ 3	
configurable to customers's specification	
very quick delivery, available on short leadtimes (within 48 hours)	
extremely reliable due to the semiconductor production process	
HCMOS/LVCMOS output	
low current consumption	
enable / disable or power down options	
100% lead-free, RoHS and REACH-compliant	

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

For more information please contact: