



The ECS Inc. International MVQ MultiVolt™ oscillators are designed and manufactured for the automotive industry in our IATF 16949 certified factories to AEC-Q200 qualifications. For more on understanding these quality management systems, click here. They are the most flexible automotive grade oscillator available on the market today. These MultiVolt™ oscillators can operate across a 1.7V ~ 3.6V supply voltage and on a static supply compatible with 1.8V, 2.5V, 3.0V, and 3.3V. They are available in industry standard packages with stabilities of ± 25 ppm, temperature ranges of $-40 \sim 125^\circ\text{C}$ and frequencies of 32.768 kHz and 0.72 ~ 160 MHz. These quartz-based automotive grade oscillators offer better jitter and overall better performance than MEMS oscillators at a lower cost.

For more product options and information, contact our engineering team at engineering@ecsxtal.com.

Technical Resources:

[ECS Inc. Website](#)
[Video Learning](#)
[Technical Guides](#)
[ECS Inc. Catalog](#)

HCMOS AEC-Q200 MultiVolt™

Series Number	Package Size	Actual Size	Stability	Frequency (min-max)	Operating Temperatures	Inventory
ECS-2016MVQ	2.0 x 1.6 x 0.85 mm		± 50 ppm	1.5 ~ 54 MHz	$-40^\circ\text{C} \sim +125^\circ\text{C}$	Check Inventory Here
ECS-2520MVQ	2.5 x 2.0 x 0.8 mm		± 50 ppm	1 ~ 160 MHz	$-40^\circ\text{C} \sim +125^\circ\text{C}$	Check Inventory Here
ECS-3225MVQ	3.2 x 2.5 x 1.2 mm		± 50 ppm	1 ~ 160 MHz	$-40^\circ\text{C} \sim +125^\circ\text{C}$	Check Inventory Here

32.768 kHz MultiVolt™

Series Number	Package Size	Actual Size	Stability	Frequency (min-max)	Operating Temperatures	Inventory
ECS-327ATQMV	3.2 x 2.5 x 0.9 mm		± 100 ppm	32.768 kHz	$-40^\circ\text{C} \sim +125^\circ\text{C}$	Check Inventory Here