





The ECS Inc. MultiVolt™ series of Oscillators, serve multiple platforms to aide your design efforts. The MultiVolt™ Temperature Compensated Crystal Oscillators (TCXO) come in industry standard packages, as small as 2.0 x 1.6 mm.

MultiVolt™ TCXO's are available with stabilities of ± 2.5 ppm for HCMOS and ± 0.5 ppm for clipped sine wave outputs.

All MultiVolt™ series Oscillators can operate across supply voltage 1.8V, 2.5V, 3.0V, and 3.3V. These quartz-based oscillators offer better jitter, and overall better performance than MEMS oscillators at a lower cost point.

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

Image	Model Information	Frequency Range	Frequency Stability	Operating Temperature Range	Package Size (mm)	Output	Inventory
	ECS-TXO-20CSMV	10 – 52 MHz	± 0.5 ppm	-30 ~ +85°C	2.0 x 1.6 x 0.8	Clipped Sinewave	Check Inventory Here
	ECS-TXO-25CSMV	10 – 52 MHz	± 0.5 ppm	-30 ~ +85°C	2.5 x 2.0 x 1.0	Clipped Sinewave	Check Inventory Here
	ECS-TXO-3225MV	8 – 60 MHz	± 2.5 ppm	-40 ~ +85°C	3.2 x 2.5 x 1.2	HCMOS	Check Inventory Here
	ECS-TXO-5032MV	9.5 – 60.4 MHz	± 2.5 ppm	-30 ~ +85°C	5.0 x 3.2 x 1.3	HCMOS	Check Inventory Here

Applications:

- 5G, 4G, and LTE
- Femtocells RRU and BBU
- Military Radios
- Inflight Entertainment
- Autonomous Technologies
- IP Networking
- Medical Imaging
- Stratum 3
- Test and Measurement
- Wireless Communications

Technical Resources:





- [Video Learning](#)
- [ECS Website](#)
- [Technical Guides](#)
- [2020 ECS Catalog](#)

AEC-Q200 MultiVolt™ Oscillators (MVQ)

The ECS Inc. MultiVolt™ series of Oscillators, serve multiple platforms to aide your design efforts. They come in industry standard packages, as small as 2.0 x 1.6 mm. We also offer them as AEC-Q200 automotive grade (MVQ).

All MultiVolt™ series Oscillators can operate across supply voltage 1.8V, 2.5V, 3.0V, and 3.3V. These quartz-based oscillators offer better jitter, and overall better performance than MEMS oscillators at a lower cost point.

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

Image	Model Information	Frequency Range	Frequency Stability	Operating Temperature Range	Package Size (mm)	Inventory
	ECS-2016MVQ	1.5 – 54 MHz	±25 ppm	-40 ~ +125°C	2.0 x 1.6 x 0.85	Check Inventory Here
	ECS-2520MVQ	1 – 160 MHz	±25 ppm	-40 ~ +125°C	2.5 x 2.0 x 0.8	Check Inventory Here
	ECS-3225MVQ	1 – 160 MHz	±25 ppm	-40 ~ +85°C	3.2 x 2.5 x 1.2	Check Inventory Here
32.768 kHz MultiVolt™ Oscillators						
	ECS-327ATQMV	32.768 kHz	±100 ppm	-40 ~ +125°C	3.2 x 2.5 x 0.9	Check Inventory Here

Applications:

- Automotive
- SerDes Serializer/Deserializer
- Storage Area Networking
- Broadband Access
- SONET/SDH/DWDM
- Ethernet/Gbe/SyncE
- Fiber Channel
- Test and Measurement
- Wireless Communications
- PON

Technical Resources:










- [Video Learning](#)
- [ECS Website](#)
- [Technical Guides](#)
- [2020 ECS Catalog](#)

MultiVolt™ Oscillators (MV) and Tight Stability MultiVolt™ Oscillators (SMV)

The ECS Inc. MultiVolt™ series of Oscillators, serve multiple platforms to aide your design efforts. They come in industry standard packages, as small as 1.6 x 1.2 mm. They are available as standard oscillators (MV) with stabilities down to ±20ppm and tight stability oscillators (SMV) with stabilities down to ±5ppm.

All MultiVolt™ series Oscillators can operate across supply voltage 1.8V, 2.5V, 3.0V, and 3.3V. These quartz-based oscillators offer better jitter, and overall better performance than MEMS oscillators at a lower cost point.

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

Image	Model Information	Frequency Range	Frequency Stability	Operating Temperature Range	Package Size (mm)	Inventory
	ECS-1612MV	8 – 50 MHz	±25 ppm	-40 ~ +85°C	1.6 x 1.2 x 0.7	Check Inventory Here
	ECS-2016MV	12 – 50 MHz	±25 ppm	-40 ~ +85°C	2.0 x 1.6 x 0.85	Check Inventory Here
	ECS-2520MV	12 – 50 MHz	±25 ppm	-40 ~ +85°C	2.5 x 2.0 x 0.8	Check Inventory Here
	ECS-3225MV	12 – 50 MHz	±25 ppm	-40 ~ +85°C	3.2 x 2.5 x 1.2	Check Inventory Here
	ECS-5032MV	0.75 – 160 MHz	±25 ppm	-40 ~ +85°C	5.0 x 3.2 x 1.3	Check Inventory Here
32.768 kHz MultiVolt™ Oscillators						
	ECS-327MV	32.768 kHz	±25 ppm	-40 ~ +85°C	1.6 x 1.2 x 0.7	Check Inventory Here
	ECS-327MVATX	32.768 kHz	±25 ppm	-40 ~ +85°C	2.0 x 1.6 x 0.9 2.5 x 2.0 x 1.0 3.2 x 2.5 x 1.2 5.0 x 3.2 x 1.3 7.0 x 5.0 x 1.4	Check Inventory Here
Tight Stability MultiVolt™ Oscillators						
	ECS-2520SMV	8 – 60 MHz	±5 ppm	-40 ~ +105°C	2.5 x 2.0 x 0.8	Check Inventory Here
	ECS-3225SMV	8 – 60 MHz	±5 ppm	-40 ~ +105°C	3.2 x 2.5 x 1.2	Check Inventory Here

Technical Resources:

- [Video Learning](#)
- [ECS Website](#)
- [Technical Guides](#)
- [2020 ECS Catalog](#)