

MultiVolt™ Oscillators (MV)

Tight Stability MultiVolt™ Oscillators (SMV)



The ECS Inc. International MultiVolt™ quartz-based oscillators utilize a cutting-edge small form factor high-performance ASIC. MultiVolt™ oscillators offer better jitter and phase noise performance compared to SAW or MEMS-based oscillators, and traditionally they do this at a lower cost point. These MultiVolt™ oscillators can serve multiple platforms to aid your design efforts. Most MultiVolt™ oscillator lines will operate across supply voltages of 1.6V ~ 3.6V and on a static supply compatible with 1.8V, 2.5V, 3.0V, and 3.3V. They come in industry standard packages and footprints from 1.6 x 1.2 mm up to 7.0 x 5.0 mm.

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](#)

Standard MultiVolt™

| Series Number | Package Size | Actual Size | Stability | Frequency (min-max) | Operating Temperatures | Inventory |
|---------------|---------------------|-------------|-----------|---------------------|------------------------|--------------------------------------|
| ECS-1612MV | 1.6 x 1.2 x 0.7 mm | | ±25ppm | 3 ~ 80 MHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-2016MV | 2.0 x 1.6 x 0.85 mm | | ±25ppm | 1.5 ~ 54 MHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-2520MV | 2.5 x 2.0 x 0.8 mm | | ±50ppm | 0.75 ~ 60 MHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-3225MV | 3.2 x 2.5 x 1.2 mm | | ±50ppm | 6 ~ 50 MHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-5032MV | 5.0 x 3.2 x 1.3 mm | | ±50ppm | 0.75 ~ 160 MHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-7050MV | 7.0 x 5.0 x 1.7 mm | | ±50ppm | 1 ~ 160 MHz | -40°C ~ +85°C | Check Inventory Here |

32.768kHz MultiVolt™

| Series Number | Package Size | Actual Size | Stability | Frequency (min-max) | Operating Temperatures | Inventory |
|----------------|--------------------|-------------|-----------|---------------------|------------------------|--------------------------------------|
| ECS-327MV | 1.6 x 1.2 x 0.7 mm | | ±25ppm | 32.768 kHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-327MVATX-1 | 2.0 x 1.6 x 0.9 mm | | ±25ppm | 32.768 kHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-327MVATX-2 | 2.5 x 2.0 x 1.0 mm | | ±25ppm | 32.768 kHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-327MVATX-3 | 3.2 x 2.5 x 1.2 mm | | ±25ppm | 32.768 kHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-327MVATX-5 | 5.0 x 3.2 x 1.3 mm | | ±25ppm | 32.768 kHz | -40°C ~ +85°C | Check Inventory Here |
| ECS-327MVATX-7 | 7.0 x 5.0 x 1.4 mm | | ±25ppm | 32.768 kHz | -40°C ~ +85°C | Check Inventory Here |

Tight Stability MultiVolt™

| Series Number | Package Size | Actual Size | Stability | Frequency (min-max) | Operating Temperatures | Inventory |
|---------------|--------------------|-------------|----------------|---------------------|------------------------|--------------------------------------|
| ECS-2520SMV | 2.5 x 2.0 x 0.8 mm | | ±5ppm / ±10ppm | 8 ~ 60 MHz | -40°C ~ +105°C | Check Inventory Here |
| ECS-3225SMV | 3.2 x 2.5 x 1.2 mm | | ±5ppm / ±10ppm | 8 ~ 60 MHz | -40°C ~ +105°C | Check Inventory Here |