

ECS SMD Clock Oscillators and Tuning Fork Crystals



ECS-3951M/3953M SERIES SMD CLOCK OSCILLATORS

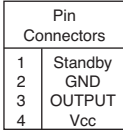
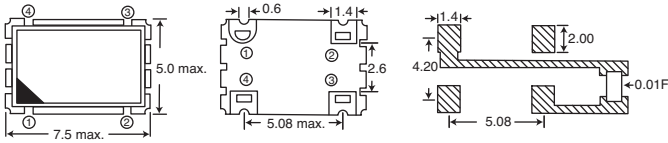
New Industrial Grade

The ECS-3953M (3.3V) and ECS-3951M (5V). Series are miniature, crystal controlled, low current clock oscillators in a ceramic SMD package. Package is seam welded with a metal lid. The low profile package is ideal for today's advanced portable PC and instrumentation designs.

- Features:**
- 3.3V or 5.0V version
 - Low power consumption
 - Standby function
 - Stability Tolerance: ±50PPM

- Specifications:**
- Frequency range: 1.8 to 125 MHz
 - Temperature range: Extended -40° to +85°
 - Height: 1.6 mm max.

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each			
			1	10	100	500
3.3 Volts Extended Temp.						
520-3953M-018-BN	ECS-3953M-018-BN	1.843200				
520-3953M-035-BN	ECS-3953M-035-BN	3.579545				
520-3953M-036-BN	ECS-3953M-036-BN	3.686400				
520-3953M-040-BN	ECS-3953M-040-BN	4.000000				
520-3953M-080-BN	ECS-3953M-080-BN	8.000000				
520-3953M-100-BN	ECS-3953M-100-BN	10.000000				
520-3953M-120-BN	ECS-3953M-120-BN	12.000000				
520-3953M-160-BN	ECS-3953M-160-BN	16.000000				
520-3953M-200-BN	ECS-3953M-200-BN	20.000000				
520-3953M-240-BN	ECS-3953M-240-BN	24.000000				
520-3953M-250-BN	ECS-3953M-250-BN	25.000000				
520-3953M-320-BN	ECS-3953M-320-BN	32.000000				
520-3953M-400-BN	ECS-3953M-400-BN	40.000000				
520-3953M-500-BN	ECS-3953M-500-BN	50.000000				
520-3953M-666-BN	ECS-3953M-666-BN	66.666000				
520-3953M-800-BN	ECS-3953M-800-BN	80.000000				
520-3953M-1000-BN	ECS-3953M-1000-BN	100.000000				
520-3953M-1250-BN	ECS-3953M-1250-BN	125.000000				
5 Volts Extended Temp.						
520-3951M-018-BN	ECS-3951M-018-BN	1.843200				
520-3951M-035-BN	ECS-3951M-035-BN	3.579545				
520-3951M-036-BN	ECS-3951M-036-BN	3.686400				
520-3951M-040-BN	ECS-3951M-040-BN	4.000000				
520-3951M-080-BN	ECS-3951M-080-BN	8.000000				
520-3951M-100-BN	ECS-3951M-100-BN	10.000000				
520-3951M-120-BN	ECS-3951M-120-BN	12.000000				
520-3951M-160-BN	ECS-3951M-160-BN	16.000000				
520-3951M-200-BN	ECS-3951M-200-BN	20.000000				
520-3951M-240-BN	ECS-3951M-240-BN	24.000000				
520-3951M-250-BN	ECS-3951M-250-BN	25.000000				
520-3951M-320-BN	ECS-3951M-320-BN	32.000000				
520-3951M-400-BN	ECS-3951M-400-BN	40.000000				
520-3951M-500-BN	ECS-3951M-500-BN	50.000000				
520-3951M-666-BN	ECS-3951M-666-BN	66.666000				
520-3951M-800-BN	ECS-3951M-800-BN	80.000000				
520-3951M-1000-BN	ECS-3951M-1000-BN	100.000000				



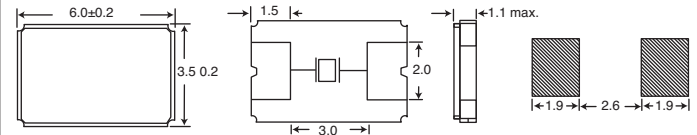
ECS-64A SMD QUARTZ CRYSTALS

The ECX-64A are subminiature SMD crystals with 3.5 x 6mm footprint. The package height measures 1.1mm max., which is ideal for densely populated PCB applications.

- Features:**
- Compact and low profile
 - Glass sealed ceramic package
 - Tape and Reel

- Specifications:**
- Stability: ±50ppm
 - Extended Temp.: -40°C to +85°C

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Stability Tol.	Freq. (MHz)	Price Each			
				1	10	100	500
520-ECS143-20-23A-EN	ECS-143-20-23A-EN	14.318180	20pf				
520-ECS143-S-23A-EN	ECS-143-S-23A-EN	14.318181	Series				
520-ECS147-20-23A-EN	ECS-147.4-20-23A-EN	14.745600	20pf				
520-ECS160-20-23A-EN	ECS-160-20-23A-EN	16.000000	20pf				
520-ECS160-S-23A-EN	ECS-160-S-23A-EN	16.000000	Series				
520-ECS184-20-23A-EN	ECS-184-20-23A-EN	18.432000	20pf				
520-ECS184-S-23A-EN	ECS-184-S-23A-EN	18.432000	Series				
520-ECS196-20-23A-EN	ECS-196.6-20-23A-EN	19.660800	20pf				
520-ECS196-S-23A-EN	ECS-196.6-S-23A-EN	19.660800	Series				
520-ECS200-20-23A-EN	ECS-200-20-23A-EN	20.000000	20pf				
520-ECS200-S-23A-EN	ECS-200-S-23A-EN	20.000000	Series				
520-ECS240-S-23A-EN	ECS-240-S-23A-EN	24.000000	Series				



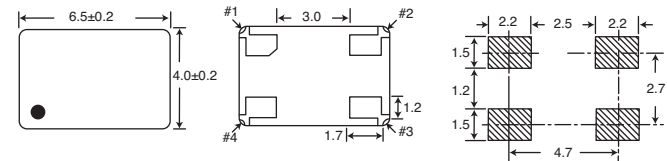
ECS-327SMD SMD CLOCK OSCILLATOR

The ECS-327SMD oscillator utilizes the 32.768 KHz tuning fork crystal in a SMD ceramic package. It is designed specifically for wireless PCMCIA and portable communication equipment applications.

- Features:**
- 2.0mm low profile
 - SMD version
 - 3.3V input voltage
 - Tape and Reel

- Specifications:**
- Operating Temperature: -10° to +60°
 - Frequency Stability: -60ppm/30ppm
 - Height: 2.0 mm.

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

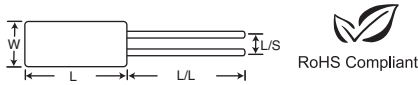
MOUSER STOCK NO.	ECS Part No.	Frequency (KHz)	Voltage	Price Each			
				1	10	100	500
520-ECS-327SMD	ECS-327SMD	32.768	3.3				



TUNING FORK CRYSTALS

DIMENSIONS: mm

- Specifications:**
- Operating temp.: -10°C to +60°C
 - Frequency tolerance: ±20ppm



For quantities of 500 and up, call for quote.

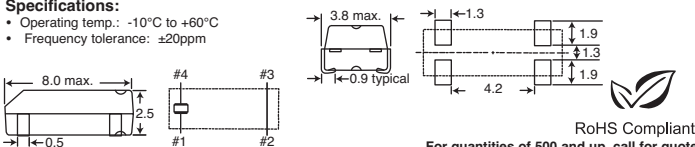
MOUSER STOCK NO.	ECS Part No.	Frequency	Load Cap.	Dimensions				Price Each		
				W	L	LL	L/S	1	10	100
520-TFC327-X	ECS-.327-8-14-X	32.768 kHz	8	1.5	5.1	4.3	4.5			
520-ECS327-6-13-X	ECS-.327-6-13-X	32.768kHz	6	2.1	6.2	10	0.7			
520-TFC2X6-X	ECS-.327-12.5-13-X	32.768 kHz	12.5	2.1	6.2	10	0.7			
520-TFC3X8-X	ECS-.327-12.5-8-X	32.768 kHz	12.5	3.1	8.2	10	1.1			



ECX-306 SMD TUNING FORK CRYSTAL, 2.5X8

DIMENSIONS: mm

- Specifications:**
- Operating temp.: -10°C to +60°C
 - Frequency tolerance: ±20ppm



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (KHz)	Load Capacitance	Price Each		
				1	10	100
520-ECS-327-6-17-X	ECS-.327-6-17-X	32.768	6pf			
520-ECS327-12.5-17-X	ECS-.327-12.5-17-X	32.768	12.5pf			



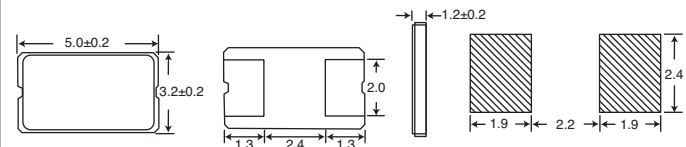
ECX-53 SMD QUARTZ CRYSTAL

The ECX-53 is our smallest sub miniature SMD crystals with a 3.2 x 5mm footprint. This package is ideal for today's compact wireless applications where board space is critical.

- Features:**
- Compact and low profile
 - Glass sealed ceramic package
 - Tape and Reel

- Specifications:**
- Frequency stability: ±50ppm
 - Operating Temperature: -10° to +60°
 - Storage Temperature: -40° to +85°

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-ECS-143-20-30	ECS-143-20-30	14.318180	20pf				
520-ECS-147-20-30	ECS-147.4-20-30	14.745600	20pf				
520-ECS-160-20-30	ECS-160-20-30	16.000000	20pf				
520-ECS-184-20-30	ECS-184-20-30	18.432000	20pf				
520-ECS-196-20-30	ECS-196.6-20-30	19.660800	20pf				
520-ECS-200-20-30	ECS-200-20-30	20.000000	20pf				
520-ECS-240-20-30	ECS-240-20-30	24.000000	20pf				