

IoT PRODUCTS

Tuning Forks, Quartz Crystals, MultiVolt Oscillators and Power Inductors

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Applications



Smart Security



Smart Utilities



Smart Transportation



Smart Lighting



Smart Appliances



Smart Entertainment



Smart Devices



Smart Healthcare



Smart Energy

Tuning Fork Crystals

Part Series	Package Size (mm)	Frequency	Tolerance		Max. Operating Temperature	Inventory
			Min.	Max.		
ECX-16	1.6 x 1.0	32.768 kHz	±7 ppm*	±20 ppm	-40°C ~ +85°C	Inventory
ECX-12R	2.0 x 1.2	32.768 kHz	±10 ppm*	±20 ppm	-40°C ~ +85°C	Inventory
ECX-31B	3.2 x 1.5	32.768 kHz	±10 ppm*	±20 ppm	-40°C ~ +85°C	Inventory

Quartz Crystals

Part Series	Package Size (mm)	Frequency	Tolerance		Max. Operating Temperature	Stability		Inventory
			Min.	Max.		Min.	Max.	
ECX-1247B [ⓑ]	1.6 x 1.2	24 MHz ~ 80 MHz	±7 ppm	±25 ppm	-40°C ~ +125°C	±10 ppm*	±100 ppm	Inventory
ECX-1637B [ⓑ]	2.0 x 1.6	16 MHz ~ 96 MHz	±7 ppm	±25 ppm	-55°C ~ +125°C	±10 ppm*	±100 ppm	Inventory
ECS-33B [ⓑ]	3.2 x 2.5	10 MHz ~ 54 MHz	±7 ppm	±25 ppm	-40°C ~ +125°C	±10 ppm*	±100 ppm	Inventory

MultiVolt Oscillators

Part Series	Package Size (mm)	Frequency	Stability		Max. Operating Temperature	Inventory
			Min.	Max.		
ECS-327MVATX	2.0 x 1.6 ~ 7.0 x 5.0	32.768 kHz	±20 ppm	±100 ppm	-40°C ~ +85°C	Inventory
ECS-1612MV	1.6 x 1.2	3 MHz ~ 80 MHz	±20 ppm	±100 ppm	-40°C ~ +85°C	Inventory
ECS-3225MV	3.2 x 2.5	1.8432 MHz ~ 160 MHz	±25 ppm	±100 ppm	-40°C ~ +85°C	Inventory

TXCOs

Part Series	Package Size (mm)	Frequency	Tolerance	Max. Operating Temperature	Inventory
ECS-TXO-2520MV	2.5 x 2.0	10 MHz ~ 60 MHz	±2.5 ppm	-40°C ~ +85°C	Inventory

Power Inductors

Part Series	Package Size (mm)	Inductance	Current Rating	DC Resistance	Max. Operating Temperature	Inventory
ECS-MPI2520	2.5 x 2.0	470 nH ~ 10 µH	1.2 A ~ 4.8 A	24 mΩ ~ 468 mΩ	-40°C ~ +105°C	Inventory
ECS-MPI4040 [ⓐ]	4.45 x 4.06	90 nH ~ 22 µH	1.8 A ~ 32 A	5.3 mΩ ~ 408 mΩ	-55°C ~ +125°C	Inventory

* Contact for availability

[ⓑ] Low Aging

[ⓐ] AEC-Q200