

ECS Inc. International's high temperature automotive frequency control quartz products feature AEC-Q200 qualification and are TS 16949 certified. Offered in the leading surface mount packaging configurations, our AEC-Q200 crystal products are available in a range of frequencies. Automotive grade frequency control products are desirable for many customers in the industrial and medical market as well as automotive markets. These products meet the most stringent requirements for the extremely harsh environments typical in automotive applications.

Tuning Fork Watch Crystals							
Image	Model Information	Package Code	Frequency Range	Frequency Tolerance	Operating Temperature Range	Package Size (mm)	Click Here for Inventory
	ECX-34Q	34Q	32.768 kHz	±20 PPM	-40 ~ +125°C	3.2 x 1.5 x 0.9	Inventory
MHz Crystals							
Image	Model Information	Package Code	Frequency Range	Frequency Stability	Operating Temperature Range	Package Size (mm)	Click Here for Inventory
	ECX-1247Q	47Q	24 – 60 MHz	±50 PPM	-40 ~ +125°C	1.6 x 1.2 x 0.3	Inventory
	ECX-1637Q	37Q	16 – 52 MHz	±50 PPM	-40 ~ +125°C	2.0 x 1.6 x 0.45	Inventory
	ECX-2236Q	36Q	12 – 60 MHz	±50 PPM	-40 ~ +125°C	2.5 x 2.0 x 0.55	Inventory
	ECX-33Q	33Q	8 – 54 MHz	±50 PPM	-40 - +125°C	3.2 x 2.5 x 0.8	Inventory
	ECS-53BQ	30BQ	8 – 54 MHz	±50 PPM	-40 - +125°C	5.0 x 3.2 x 0.85	Inventory
Ruggedized Crystals							
Image	Model Information	Package Code	Frequency Range	Frequency Stability	Operating Temperature Range	Package Size (mm)	Click Here for Inventory
	ECX-33QZ	33QZ	12 – 32 MHz	±50 PPM	-40 ~ +125°C	3.2 x 2.5 x 0.8	Inventory
	ECX-53BQZ	30BQZ	13 – 26 MHz	±50 PPM	-40 ~ +125°C	5.0 x 3.2 x 0.9	Inventory

Technical Resources:

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