

Ecliptek's EBCA Series is a product line of AEC-Q200 qualified SMD crystal controlled oscillators operating at 32.768 kHz. They have been designed to support the rapidly growing segment of automotive applications that need timing devices.

Automotive applications require small footprints, tight stability, wide temperature ranges, low power consumption, and the ability to withstand harsh environments.

## Applications

Automotive applications that require timing devices include:

- Navigation
- Infotainment
- Ethernet
- Advanced Driver Assistance Systems (ADAS)
- Engine Control Modules
- Instrument Panels
- Traction and Stability Control Modules

The EBCA oscillators offer you the advantage of a 1.62V to 3.63V continuous (Multi- $V_{DD}$ ) supply voltage. They are available in package sizes as small as 2.0mm x 1.6mm x 0.8mm, operating temperature ranges as wide as -40°C to +125°C, and frequency stabilities as low as  $\pm 25$ ppm.

Ecliptek automotive frequency control products are produced on IATF 16949:2016 certified production lines ensuring a lifetime of operation.

## Product Overview

### EBCA Series Automotive Grade 32.768 kHz Multi- $V_{DD}$ Oscillators



## At A Glance

<b>Product Type</b>	Automotive Grade Oscillator	
<b>Frequency Range</b>	32.768 kHz	
<b>Op Temp Range</b>	Up to -40°C to +125°C	
<b>Frequency Stability</b>	As low as $\pm 25$ ppm	
<b>Supply Voltage</b>	1.62V to 3.63V Continuous (Multi- $V_{DD}$ )	
<b>Output Logic Type</b>	LVCMOS	
<b>Package Sizes</b>	<b>Dimensions</b>	<b>Series</b>
	2.0mm x 1.6mm	<a href="#">EBCA56</a>
	2.5mm x 2.0mm	<a href="#">EBCA46</a>
	3.2mm x 2.5mm	<a href="#">EBCA36</a>
	5.0mm X 3.2mm	<a href="#">EBCA26</a>
	7.0mm X 5.0mm	<a href="#">EBCA16</a>
<b>Mounting Type</b>	Surface Mount (SMD)	
<b>Ratings</b>	AEC-Q200, RoHS, REACH, Pb-Free	

Click on the series links above to view complete data sheets and then contact our support team or one of our authorized distributors to order samples or to get more information.