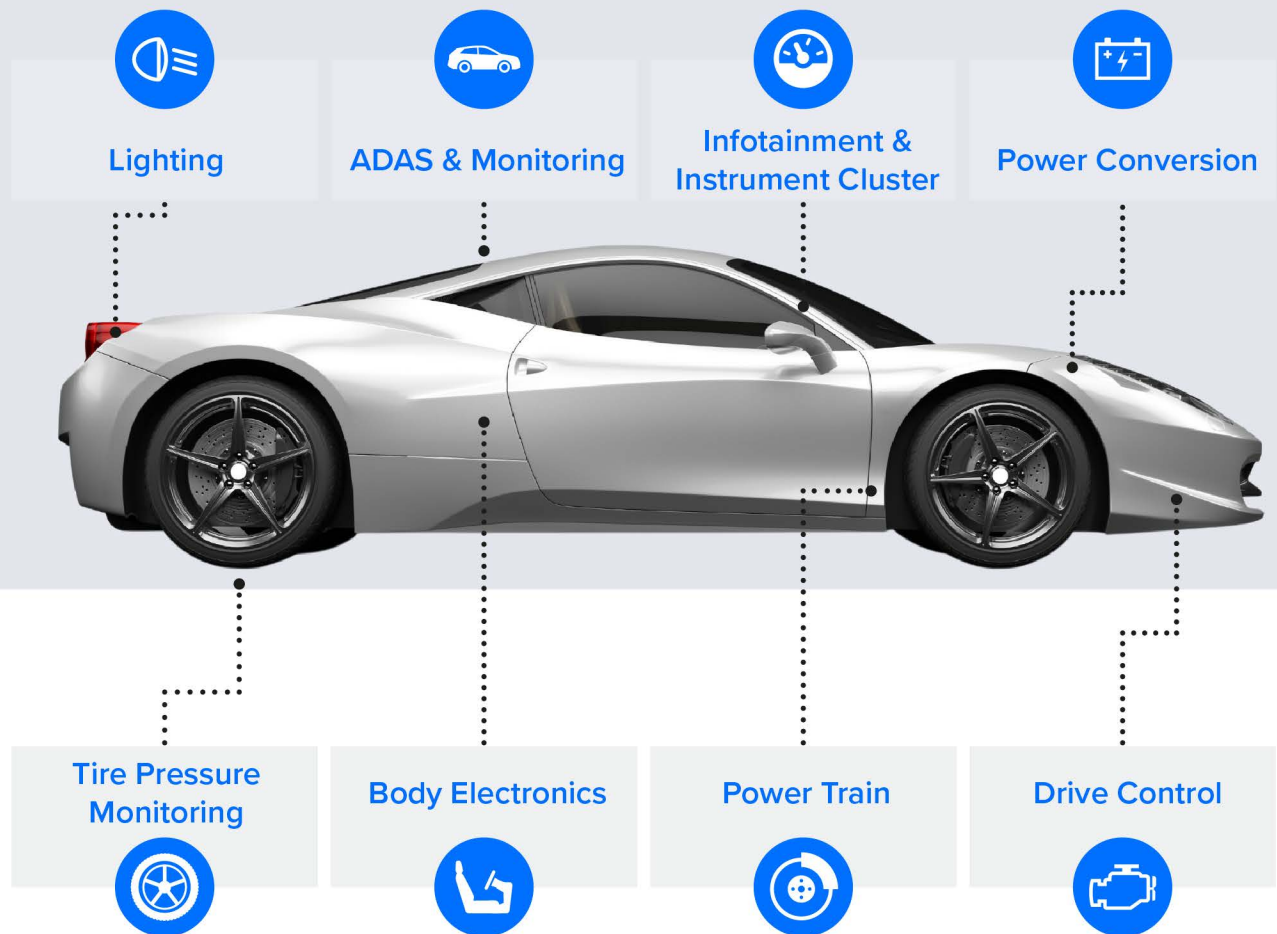


AUTOMOTIVE APPLICATIONS

AEC-Q200 QUALIFIED & IATF 16949 CERTIFIED PRODUCTION

Vehicles demand components and products with enhanced efficiency, durability, performance, and quality. To satisfy these requirements, Abracon's automotive solutions are AEC-Q200 qualified and are manufactured on fully certified IATF 16949 production lines. Our automotive grade products offer efficient performance at wide operating temperature ranges to support the design requirements for a wide array of applications, from in-cabin passenger comfort and entertainment features, to traditional under the hood systems.



Automotive Grade Quartz Crystals and Oscillators

Applications requiring the highest levels of quality and reliability benefit from our certified IATF 16949 production lines and AEC-Q200 qualified crystals and oscillators. PPAP available upon request.

BRAND	SERIES	TYPE	PACKAGE SIZE (mm)		FREQUENCY	WIDEST AVAILABLE OPERATING TEMPERATURE RANGE
			L	W		
AUTOMOTIVE GRADE QUARTZ CRYSTALS						
Fox	FK12A	XTAL	2.0	1.2	32.768 kHz	-40°C to +125°C
Abracon	ABS07AIG	XTAL	3.2	1.5	32.768 kHz	-40°C to +125°C
Fox	FK13A	XTAL	3.2	1.5	32.768 kHz	-40°C to +125°C
Abracon	ABM12AIG	XTAL	1.6	1.2	24 to 60 MHz	-40°C to +150°C
Abracon	ABM11AIG	XTAL	2.0	1.6	16 to 60 MHz	-40°C to +150°C
Fox	FC1BA	XTAL	2.0	1.6	16 to 54 MHz	-55°C to +150°C
Abracon	ABM10AIG	XTAL	2.5	2.0	12 to 62.5 MHz	-40°C to +150°C
Fox	FC2BA	XTAL	2.5	2.0	12 to 54 MHz	-55°C to +125°C
Abracon	ABM8AIG	XTAL	3.2	2.5	8 to 54 MHz	-40°C to +150°C
Abracon	ABM8GAIG	XTAL	3.2	2.5	10 to 54 MHz	-40°C to +125°C
Fox	FC3BA	XTAL	3.2	2.5	8 to 150 MHz	-55°C to +125°C
Abracon	ABM3AIG	XTAL	5.0	3.2	8 to 50 MHz	-40°C to +125°C
Abracon	ABM3BAIG	XTAL	5.0	3.2	8 to 54 MHz	-40°C to +125°C
Fox	FC5BA	XTAL	5.0	3.2	8 to 133 MHz	-55°C to +125°C
Fox	FC7BA	XTAL	7.0	5.0	6 to 133 MHz	-55°C to +125°C

AUTOMOTIVE GRADE QUARTZ CRYSTAL OSCILLATORS						
Abracon	ASAKDVAIG	XO	2.0	1.6	32.768 kHz	-40°C to +125°C
Abracon	ASDKDVAIG	XO	2.5	2.0	32.768 kHz	-40°C to +125°C
Abracon	ASEKDVAIG	XO	3.2	2.5	32.768 kHz	-40°C to +125°C
Abracon	ASAAIG	XO	2.0	1.6	1.25 to 100 MHz	-40°C to +125°C
Fox	FO1HA	XO	2.0	1.6	1.25 to 135 MHz	-40°C to +125°C
Abracon	ASDAIG	XO	2.5	2.0	1.25 to 156.25 MHz	-40°C to +125°C
Fox	FO2HA	XO	2.5	2.0	1.25 to 160 MHz	-40°C to +125°C
Abracon	ASEAIG	XO	3.2	2.5	1.25 to 156.25 MHz	-40°C to +125°C
Fox	FO3HA	XO	3.2	2.5	1.25 to 160 MHz	-40°C to +125°C