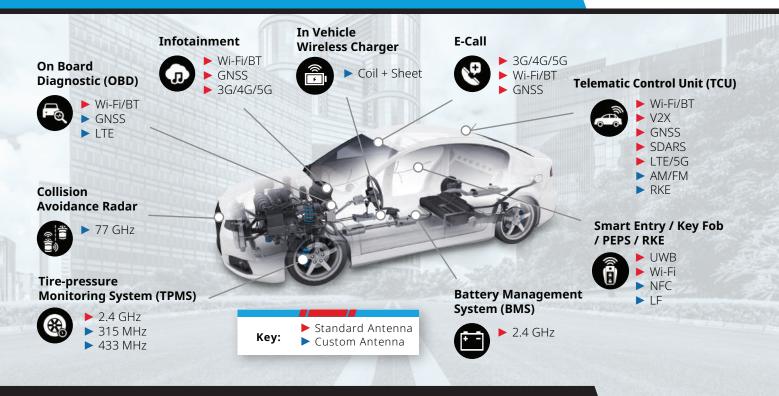
Antenna Solutions For Automotive







RELIABLE ANTENNAS FOR AUTOMOTIVE APPLICATIONS



Wireless Battery Management Systems (wBMS)



A1001013

This A-series SMD Antenna is designed to work in different environments on-ground or off-ground, achieving higher functionality in the two cases



Reference Design

Performance and Robustness in Metal-Intensive Environments



Telematic Control Unit (TCU)



AP822601

- · Mechanical Robustness
- · Onboard Tuning Capabilities
- · Aperture Tuning Possibilities
- · Mirror and Corner Placement Versions

Quality and Performance for **Enhanced** Connectivity



Tire Pressure **Monitoring System** (TPMS)



A9001978

- · Automotive Ultra-Small 2.4 GHz Chip Antenna
- Size: 1 x 0.55 mm

Reliability with **Miniature Antennas**



Infotainment



A1000146

- · High Wi-Fi Performance
- · Onboard Tuning Capabilities

Ensuring Reliability and Performance in Embedded **On-Board Systems**



Key FOBs



A1001312

- · Miniature SMT UWB Embedded Antenna
- Size: 2 x 1.2 mm

Optimal Performance with the Smallest **Antennas**



Dedicated Short Range Communications (DSRC)



A1002298

Vertical Polarized Antennas for Maximizing V2I Performance

Amplifying Range with Cutting-Edge **Antennas**









Antenna Solutions For Automotive





A-SERIES LOW-PROFILE AUTOMOTIVE ANTENNAS

KYOCERA AVX has completed rigorous testing to qualify the A-series antennas for automotive applications. Although the AEC-Q200 standard does not include antenna products, all testing has been done following applicable AEC-Q200

requirements and procedures as closely as possible.

Customers must provide additional quality requirements, if any, to drive specific, additional compliance testing.







Standard Antennas vs. A-Series Antennas Mechanical Characteristics

Characteristics	Standard Antennas	A-Series Antennas
Temperature Range	-40/+85 C	-50/+125 C
Temperature Cycle	N/A	IEC 60068-2-14
Temperature Exposure	N/A	MIL-STD-202 Method 108
High Temperature High Humidity (HTHH)	MIL-STD-202 Method 103. per spec.: 96 Hrs.	MIL-STD-202 Method 103. per spec.: 168 Hrs.
Mechanical Shock	N/A	IEC 60068-2-27
Vibration	N/A	IEC 60068-2-6



TEST SERVICES



ENSURE PERFORMANCE Test Your Solutions in Real Environments



Scan to Learn More About the Automotive Test Chamber





