

New Product Highlight for the A-series

1. Description

KYOCERA AVX extends its antenna portfolio with innovative solutions for Automotive applications. All rigorous testing has been performed by following applicable AEC-Q200 requirements and procedures to qualify the A-series antennas for automotive applications. The A-series includes a wide offering of options in different technologies: GNSS, Wi-Fi, Bluetooth, Cellular, LTE, 5G, 4G and UWB.








2. List of features:

- Designed for the connected vehicle and automotive applications
- High antenna performance at the desired frequencies
- Off-board versions available for metal environments
- Rigorously tested by following applicable AEC-Q200 requirements and procedures
- Supporting extreme operating temperatures up to 125°C
- Passed vibration and mechanical shock testing for automotive
- Additional compliance testing supported upon request
- PPAP and IMDS available
- Multiple wireless technologies supported: 5G, 4G/LTE, Cellular, Wi-Fi 6, GPS/GNSS, Bluetooth and UWB

3. List of applications:

- Telematics (TCU)
- wBMS
- Smart Entry / Key FOB
- TPMS
- Tracking
- Other automotive applications

A-Series

A-Series Part Number	Technology	Frequency
 A1001011	Beidou, Galileo, Glonass, GNSS, GPS	1559 - 1563 MHz, 1559 - 1591 MHz, 1575 MHz, 1593 - 1610 MHz, L1 / G1 / B1 / E1
 A1001013	BLE, Bluetooth, Wi-Fi, WLAN	2400 - 2485 MHz, 802.11 b/g
 A1000146	5G, BLE, Bluetooth, CBRS, Sub-6 GHz, Wi-Fi 6E, WLAN	2400 - 2485 MHz, 3.3 - 3.8 GHz, 5150 - 7127 MHz, 802.11 a/b/g/n/ac/ax, 5G n78
 A1004795	2G / 3G / 4G, Cellular, LTE, LTE-M, NB-IoT, 5G Sub-6 GHz	1710 - 2200 MHz, 2500 - 2700 MHz, 617 - 960 MHz
 AP522304	Cellular 2G/3G, ISM bands	1710 - 2170 MHz, 824 - 960 MHz, GSM850 / GSM900 / DCS / PCS
 AP822601	2G / 3G / 4G, 5G, Cellular, LTE, LTE-M, NB-IoT, Sub-6 GHz	1710 - 2700 MHz, 3300 - 3800 MHz, 698 - 960 MHz
 A1001312	BLE, Bluetooth, UWB, Wi-Fi, WLAN	2400 - 2485 MHz, 6000 - 8500 MHz, 802.11 b/g