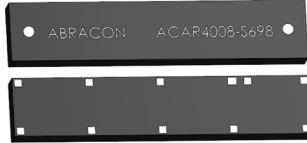


# ANTENNAS FOR THE IoT

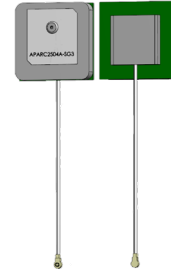
2G/3G/4G/LTE | WiFi/Bluetooth/BLE |  
 LPWA/LoRa/Sigfox/NB-IoT | MIMO |  
 GNSS/GPS/GLONASS/Beidou



**ACAR3705-S698**  
 Chip Antenna  
 4G/LTE Ceramic Chip



**AEACBK110053-MLWG**  
 External MIMO Antenna  
 GPS/GLONASS + LTE MIMO +  
 WiFi MIMO



**APARC2504A-SG3**  
 Patch Antenna  
 GNSS/GPS/GLONASS/Beidou



**MIMO**



**3G**



**Bluetooth®**



**zigbee**



**LoRaWAN™**

TYPE	ABRACON PN	DESCRIPTION	DIMENSIONS (mm)	GAIN (dBi)	MOUNTING
<b>2G/3G/GSM</b>					
Chip	ACAR3005-S824	2G/3G/GSM Ceramic Chip	30.0 x 5.0 x 5.0	3.12	Surface
<b>4G/LTE</b>					
Chip	ACAR3705-S698	4G/LTE Ceramic Chip	37.0 x 5.0 x 5.0	-1.13	Surface
Chip	ACAR4008-S698	4G/LTE Ceramic Chip	40.0 x 8.0 x 3.2	4.10	Surface
External	AEACBK081014-S698	External 4G/LTE (IP67 Rated)	Ø 81.3 x 14.6	3.0	Screw
<b>GNSS/GPS/GLONASS/BEIDOU</b>					
Active Patch	APARC2504A-SG3	GNSS/GPS/GLONASS/Beidou Ceramic Active Patch	25.0 x 25.0 x 7.4	-1.0, -2.5, -1.5	Adhesive
Patch	APARM1804-SG3	GNSS/GPS/GLONASS/Beidou Ceramic Patch	18.0 x 18.0 x 4.0	3.0, 2.0, 4.0	Thru-Hole
Patch	APARM3503-SG3	GNSS/GPS/GLONASS/Beidou Ceramic Patch	35.0 x 35.0 x 3.0	4.0, 3.0, 4.5	Thru-Hole
<b>WiFi/BLUETOOTH/BLE</b>					
Patch	APARN1204-S2450	2.4GHz WiFi/Bluetooth/BLE Patch	12.0 x 12.0 x 4.0	2.0	Surface
Chip	ACAR0301-SW2	2.4GHz/5.5GHz Dualband WiFi Chip	3.05 x 1.6 x 0.55	1.0, 2.5	Surface
<b>COMBO</b>					
External MIMO	AEACBK110053-MLWG	GPS/GLONASS + LTE MIMO + WiFi MIMO (IP67 Rated)	Ø 110.0 x 53.0	3.0, 2.0	Screw
Chip	ACAR3005-C2WB	LPWA + WiFi/Bluetooth Ceramic Chip	30.0 x 5.0 x 5.0	2.61	Surface
External	AEACBA081016-C2LG	External Combo LTE + GPS (IP67 Rated)	Ø 81.6 x 16.2	2.5, 2.0	Adhesive
External	AEACBD081016-C2LG	External Combo LTE + GPS (IP67 Rated)	Ø 81.6 x 16.2	2.5, 2.0	Magnetic
External	AEACBK050048-C2LG	External Combo LTE + GPS (IP67 Rated)	Ø 50.0 x 48.0	2.0, 2.0	Screw