

# ANTENNAS FOR THE IoT

GNSS/GPS/GLONASS/Beidou | WiFi/Bluetooth/BLE |  
LPWA/LoRa/Sigfox/NB-IoT/ISM | Satellite Communications



| TYPE                               | ABRACON PN         | DESCRIPTION   | DIMENSIONS (mm)    | GAIN (dBi)             | MOUNTING        |
|------------------------------------|--------------------|---|--------------------|------------------------|-----------------|
| <b>GNSS/GPS/GLONASS/BEIDOU</b>     |                    |   |                    |                        |                 |
| Active Patch                       | APARC1807A-SG3     | Compact Multiband Active GPS/GLONASS/BEIDOU Ceramic Patch Antenna         | 18.0 x 18.0 x 7.6  | -6.5, -6.0, -6.5       | Connector, IPEX |
| Active Patch                       | APAKC2506A-SG3     | Compact Multiband Active GPS/GLONASS/BEIDOU/Galileo Ceramic Patch Antenna | 25.0 x 25.0 x 4.0  | -1.5, -2.5, -1.0, -1.5 | Connector, IPEX |
| Active Patch                       | APAKC3508A-SG3     | Compact Multiband Active GPS/GLONASS/BEIDOU/Galileo Ceramic Patch Antenna | 33.5 x 33.5 x 4.0  | 3.0, 2.5, 2.8, 3.0     | Connector, IPEX |
| Stacked Patch                      | APAKM3513-SGL2     | Multiband Active GPS/GLONASS/BEIDOU/Galileo Ceramic Patch Antenna         | 35.6 x 35.6 x 13.5 | L1 : 3.1<br>L2 : 1.2   | Through-Hole    |
| Flexible PCB                       | AFAG4330-SG3       | Multiband GPS/GLONASS/BEIDOU/Galileo FPC Antenna                          | 40.0 x 10.0        | 2.0                    | Adhesive        |
| Active External                    | AEACBA045015-SG2   | Multiband Active GPS/GLONASS External Antenna (IP67 rated)                | 45.2 x 35.8 x 15.2 | 5.0                    | Adhesive        |
| Active External                    | AEACBD045015-SG2   | Multiband Active GPS/GLONASS External Antenna (IP67 rated)                | 45.2 x 35.8 x 15.2 | 5.0                    | Magnetic        |
| Active External                    | AEARBA048014-SG3   | Multiband Active GPS/GLONASS/BEIDOU External Antenna                      | 48.5 x 47.0 x 14.0 | 4.27, 5.65, 5.78       | Adhesive        |
| Active External                    | AEARBD048014-SG3   | Multiband Active GPS/GLONASS/BEIDOU External Antenna                      | 48.5 x 47.0 x 14.0 | 4.27, 5.65, 5.78       | Magnetic        |
| <b>WiFi/BLUETOOTH/BLE</b>          |                    |   |                    |                        |                 |
| Chip                               | ACAG0301-2450-T    | 2.45GHz Ceramic Chip Antenna  | 3.2 x 1.6 x 1.2    | 5.19                   | SMD             |
| Patch                              | APARC2505-S2450    | 2.4GHz Patch Antenna with PCB and Cable Connector                         | 25.1 x 25.1 x 5.5  | 0.5                    | Connector, IPEX |
| External                           | AEACBK050048-SW2   | Dualband WiFi External Antenna (IP67 Rated)                               | Ø50.0 x 48.0       | 2.0                    | Screw           |
| <b>COMBO</b>                       |                    |   |                    |                        |                 |
| Patch                              | APARM2504-C2GR     | GPS + Iridium Multiband Ceramic Patch Antenna                             | 25.1 x 25.1 x 4.0  | GPS : 2<br>Iridium : 3 | Through-Hole    |
| Stacked Patch                      | APAKM4012-C2G3D    | GPS/GLONASS/BEIDOU/Galileo + SDARS Stacked Ceramic Patch Antenna          | 40.0 x 40.0 x 12.2 | 2.7, 4.0               | Through-Hole    |
| <b>LPWA/LORA/SIGFOX/NB-IoT/ISM</b> |                    |   |                    |                        |                 |
| External Whip                      | AEACAC254010-S169  | 169MHz External Antenna   | 254.0 x Ø10.9      | 2.0                    | Connector       |
| <b>SATELLITE COMMUNICATIONS</b>    |                    |   |                    |                        |                 |
| Active External                    | AEACBA045015-S2332 | SDARS External Antenna  | 45.2 x 35.8 x 15.1 | 3.0                    | Adhesive        |
| Active External                    | AEACBD045015-S2332 | SDARS External Antenna  | 45.2 x 35.8 x 15.1 | 3.0                    | Magnetic        |