Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Laird
Smart Technology. Delivered.

# DBA6927C1
## 698-960 MHz/1710-2700 MHz Dipole Blade Omnidirectional Antenna

### ARTICULATING DIPOLE BLADE OMNIDIRECTIONAL ANTENNA

The DBA6927C1 dipole blade is an omnidirectional antenna highly suited as a broadband solution for wireless devices that will be configurable for multiple communication protocol applications. Those protocols include the domestic Cellular/PCS/AWS/MDS, WiMax 2100/2300/2500/2600 and global GSM900/GSM1800/UMTS/LTE2600 bands. The antenna is provided with an articulating 90 degree arm that can be position to provide optimal coverage for indoor wireless solutions.

### FEATURES AND BENEFITS

- Low Profile blade style sheath RoHS
- Applicable for both 3G and 4G solutions
- Domestic LTE 700 and Global LTE 2600 bands
- Domestic Cellular and Global GSM
- WiMax 2100/2300/2500/2600
- Conformance to RoHS
- Complete cellular and 3G/4G data communications in a single antenna
- Articulating arm that allows antenna positioning to provide maximal coverage

### MARKETS

- Wireless Access Points
- Wireless Routers
- M2M Devices

| TYPICAL ELECTRICAL SPECIFICATIONS | | | |
|---|---|---|---|
| Model | DBA6927C1 | | |
| Frequency | 698-806 MHz<br>1710-1880 MHz<br>2100-2500 MHz | 824-894 MHz<br>1850-1990 MHz<br>2500-2690 MHz | 880-960 MHz<br>1920-2170MHz |
| Peak Gain | 0.5 dBi (698-960 MHz) | 2.2 dBi (1710-2700 MHz) | |
| Average Efficiency | 55% (698-960 MHz) | 73% (1710- 2700 MHz) | |
| VSWR | < 2.5:1 | | |
| Nominal Impedance | 50 ohms | | |
| Polarization | Linear | | |
| Max. Input Power | 3 watts | | |
| RF Connector | TNC Male | | |
| Antenna Weight | 49 g | | |
| Operational Temperature | -35°C to +70°C | | |
| Material substance compliance | RoHS compliant | | |
| Antenna Color | Black | | |
| Size (L x W x D) | 229 mm x 30.5 mm x 15 mm | | |

### CONNECTORS

| PART No. | CONNECTOR | BLADE ANGLE |
|---|---|---|
| DBA6927C1-FTNCM | TNC – Male | 90 deg |
| DBA6927C2-FTNCM | TNC – Male | 0 deg |
| DBA6927C1-FRNCM | R/P TNC – Male | 90 deg |
| DBA6927C2-FRNCM | R/P TNC – Male | 0 deg |

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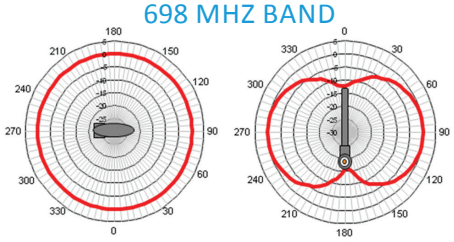
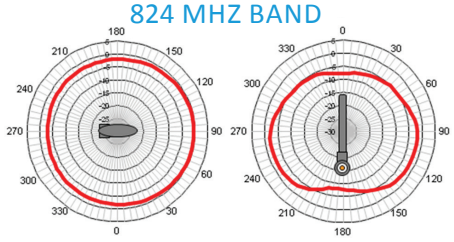
### TYPICAL RADIATION PATTERNS

#### 698 MHZ BAND



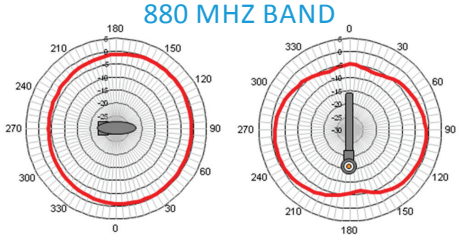
Azimuth Plane | Phi 0 Degree Plane

#### 824 MHZ BAND



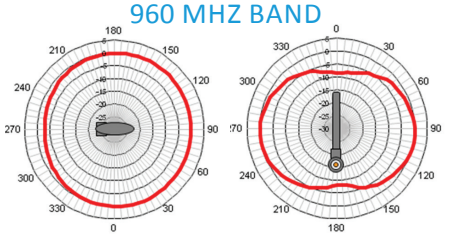
Azimuth Plane | Phi 0 Degree Plane

#### 880 MHZ BAND



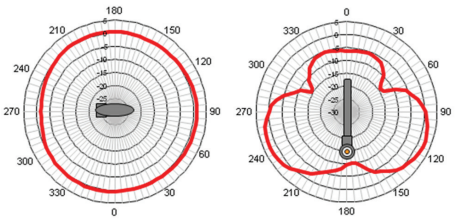
Azimuth Plane | Phi 0 Degree Plane

#### 960 MHZ BAND



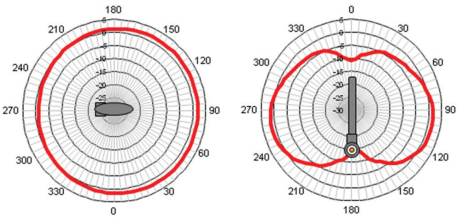
Azimuth Plane | Phi 0 Degree Plane

#### 1710 MHZ BAND



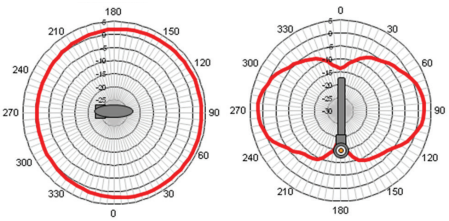
Azimuth Plane | Phi 0 Degree Plane

#### 1880 MHZ BAND



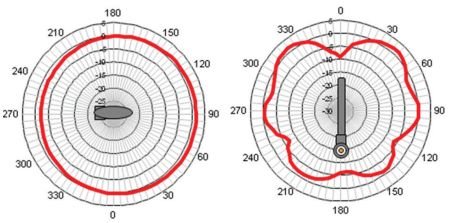
Azimuth Plane | Phi 0 Degree Plane

#### 2170 MHZ BAND



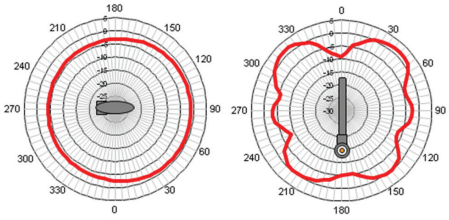
Azimuth Plane | Phi 0 Degree Plane

#### 2400 MHZ BAND



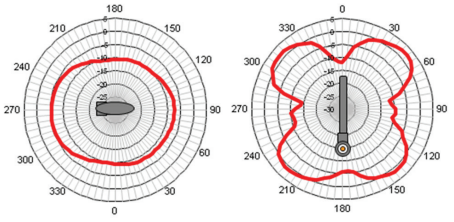
Azimuth Plane | Phi 0 Degree Plane

#### 2500 MHZ BAND



Azimuth Plane | Phi 0 Degree Plane

#### 2700 MHZ BAND



Azimuth Plane | Phi 0 Degree Plane