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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 1710-1880 MHz 2100-2500 MHz	824-894 MHz 1850-1990 MHz 2500-2690 MHz	880-960 MHz 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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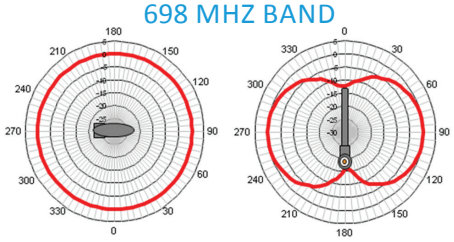
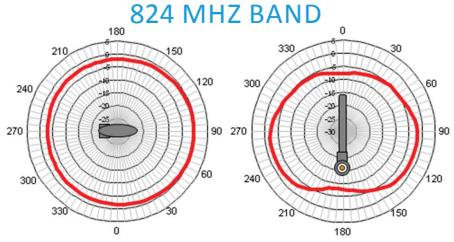
TYPICAL RADIATION PATTERNS

698 MHZ BAND



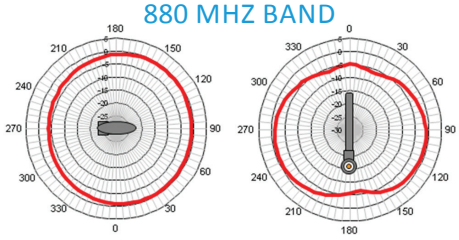
Azimuth Plane | Phi 0 Degree Plane

824 MHZ BAND



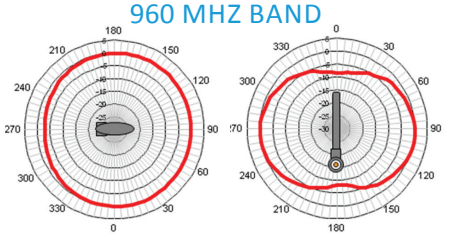
Azimuth Plane | Phi 0 Degree Plane

880 MHZ BAND



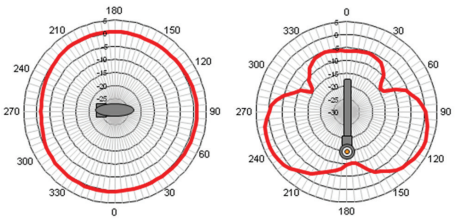
Azimuth Plane | Phi 0 Degree Plane

960 MHZ BAND



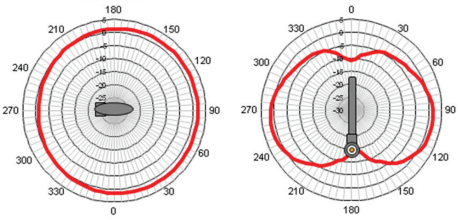
Azimuth Plane | Phi 0 Degree Plane

1710 MHZ BAND



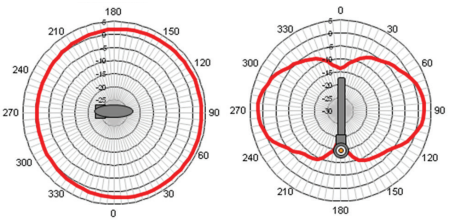
Azimuth Plane | Phi 0 Degree Plane

1880 MHZ BAND



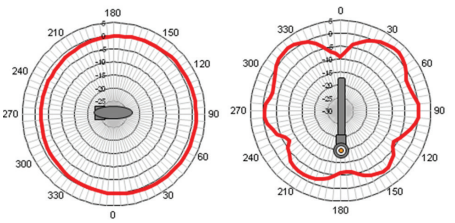
Azimuth Plane | Phi 0 Degree Plane

2170 MHZ BAND



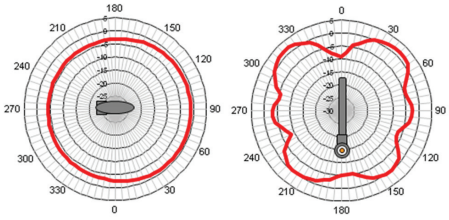
Azimuth Plane | Phi 0 Degree Plane

2400 MHZ BAND



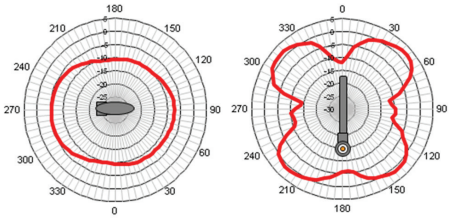
Azimuth Plane | Phi 0 Degree Plane

2500 MHZ BAND



Azimuth Plane | Phi 0 Degree Plane

2700 MHZ BAND



Azimuth Plane | Phi 0 Degree Plane

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