

# 1. Antenna Spec Sheet

**Canister 1**

<b>Frequency Range</b>	698-894	1695-2400	3550-3700	5150-5925
<b>Gain (dBi)</b>	4.6	8	6.7	5
<b>HPBW (°)</b>	360	360	360	360

<b>Model No.</b>	DOYZ8X360F12								
Frequency Range (MHz)	698-806	806-894	1695-1850	1850-1910	1910-2180	2300-2360	3550-3700	5150-5925	
Gain (dBi)	4.6	4.6	7.3	7.7	8.3	7.7	6.7	5	

**Horizontal Pattern:**

Azimuth Beam width (°)	360	360	360	360	360	360	360	360
Gain OMNI Deviation (dB)	2	2	3.5	5	5	6	7	6
Cross Polar Discrimination at Boresight (dB)	7	5	10	15	10	10	5	5

**Vertical Pattern:**

Elevation Beam width (°)	48	40	19	18	17	13	24	22
First Upper Side Lobe Suppression (dB)	10	7	12	13	10	8	13	10
Fixed Down Tilt (Factory setting) (°)	0							

In-Band Cross Polar Ports Isolation (dB)					20				
Inter-Band Ports Isolation (dB)					30				
VSWR					< 1.5 : 1				
Polarization					± 45				
Intermodulation IM3 (dBc)			- 153						-
Impedance (Ω)					50				
Max. Effective Power per Port (Watts)					100				

**Values based on NGMN-P-BASTA requirements**

**Mechanical Specifications**

Connector Type & Quantity	4.3-10 x 2	4.3-10 x 4	4.3-10 x 4	4.3-10 x 2
Connector Position	Bottom			
Antenna Dimension (H x D) (inch / mm)	35.4 x Ø 14.4 / 900 X Ø 365			
Weight (Clamp incl.) (lb / kg)	40.8 / 18.5			
Wind Load (@100 mph) (N)	389			
Max. Wind Speed (Survival Wind Speed) (mph)	150			
Lightning Protection	Direct Ground			
Radome (Color)	RFP(Gray)			
Product Environmental compliance	ROHS compliant			

## 2. Antenna Pictures



## 2. Antenna Pictures

