

1. Antenna Spec Sheet

Canister 1 - 24inch
Frequency Range
Gain (dBi)
HPBW (°)

	698-894	1695-2400	3550-3700	5150-5925
	4	8	6.3	5
	360	360	360	360

Model No.

DOYZ9X360F12

Frequency Range (MHz)	698-806	806-894	1695-1850	1850-1910	1910-2180	2300-2360	3550-3700	5150-5925
Gain (dBi)	4	4.5	7	7.2	8.2	8.3	6.5	5

Horizontal Pattern:

Azimuth Beam width (°)	360	360	360	360	360	360	360	360
Gain OMNI Deviation (dB)	2	2	4.5	5	5	6	7	7

Vertical Pattern:

Elevation Beam width (°)	62	41	21	20	18	17	31	21
First Upper Side Lobe Suppression (dB)	10	10	12	10	10	10	8	8
Fixed Down Tilt (Factory setting) (°)					0			

In-Band Cross Polar Ports Isolation (dB)					20			
Inter-Band Ports Isolation (dB)					25			
VSWR				< 1.5 : 1			< 1.5 : 1(Typ.)	1.7 : 1(Max.)
Polarization					± 45			
Intermodulation IM3 (dBc)				- 153			-	-
Impedance (Ω)					50			
Max. Effective Power per Port (Watts)				100			100	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)		24 x Ø 14.4 / 610 x Ø 365		
Weight (Clamp incl.) (lb / kg)		29.7 / 13.5		
Wind Load (@100 mph) (N)		316		
Max. Wind Speed (Survival Wind Speed) (mph)		150		
Lightning Protection		Direct Ground		
Radome (Color)		Gray		
Product Environmental compliance		ROHS compliant		

2. Antenna Pictures



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