Pseudo Omni 18-port Conduit Canister Antenna

698-960 MHz
1695-2700 MHz
3300-4200 MHz
5150-5925 MHz

18-Port

DOYZ9X360F18T0-CNDT



Features & Applications

- Small Cell Pseudo Omni Conduit Canister Antenna
- 4-port x 698-960MHz, 8-port x 1695-2700MHz, 4-port x 3300-4200MHz, 2-port x 5150-5925MHz
- HPBW : 360˚
- Gain : 6.4 dBi, 9.3 dBi, 8.0 dBi, 5.5 dBi

*This antenna is UNII-1 Compliance @ 1W input power. Guidance for compliance of U-NII devices under Part 15, Subpart E of the FCC rules.

ELECTRICAL SPECIFICATIONS			
Port Information	-	R1-R2	
Frequency Range	(MHz)	**698-806**	**806-960**
Gain (Max.)	(dBi)	5.8	6.4
Horizontal Pattern			
Azimuth Beam width	(°)	360	
Vertical Pattern			
Elevation Beam width	(°)	44	37

GENERAL SPECIFICATIONS		
In-Band Cross Polar Port Isolation	(dB)	>20
VSWR	-	1.5 : 1
Polarization	-	±45°
Intermodulation IM3	(dBc)	-153(3rd Order, 2x20W)
Impedance	(Ω)	50
Max. Effective Power per Port	(Watts)	100

ELECTRICAL SPECIFICATIONS							
Port Information	-	Y1-Y4				P1-P2	O1
Frequency Range	(MHz)	**1695-1850**	**1850-1910**	**1910-2180**	**2300-2700**	**3300-4200**	**5150-5925**
Gain (Max.)	(dBi)	8.0	8.4	9.3	9.1	8.0	5.5
Horizontal Pattern							
Azimuth Beam width	(°)	360					
Vertical Pattern							
Elevation Beam width	(°)	19	18	17	14	26	21

The parameters Based on the NGMN P-Basta definition and recommendation.

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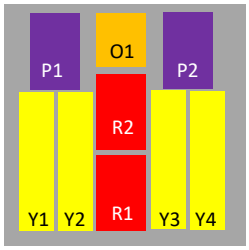
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GENERAL SPECIFICATIONS				
In-Band Cross Polar Port Isolation	(dB)	>20		
VSWR	-	1.5 : 1		
Polarization	-	±45°		
Intermodulation IM3	(dBc)	-153(3rd Order, 2x20W)	N/A	
Impedance	(Ω)	50		
Max. Effective Power per Port	(Watts)	100	100	1

Array Information



Up

Down

Array	Frequency(MHz)	Connectors
R1-R2	698-960	1-4
Y1-Y4	1695-2700	5-12
P1-P2	3300-4200	13-16
O1	5150-5925	17-18

The parameters Based on the NGMN P-Basta definition and recommendation.

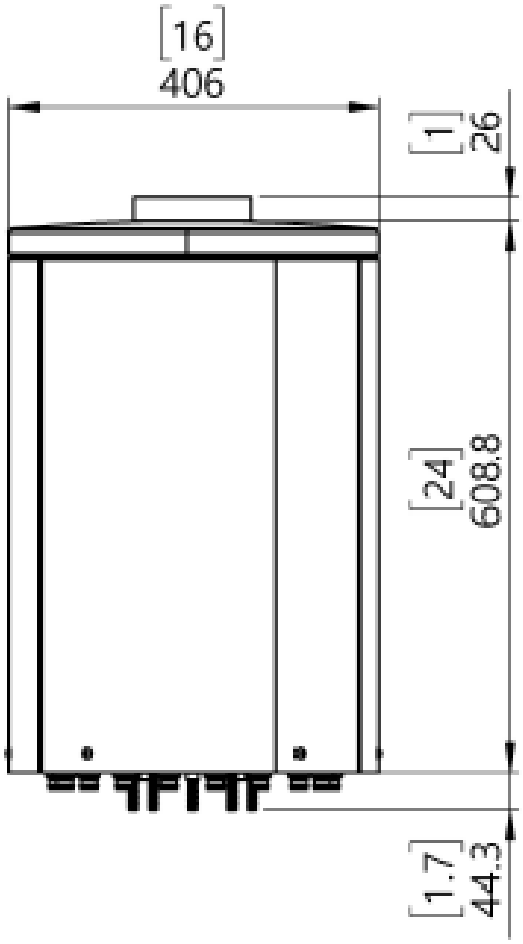
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Pseudo Omni 18-port Conduit Canister Antenna

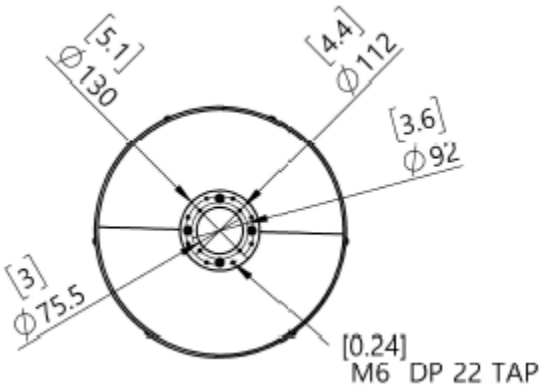
698-960 MHz
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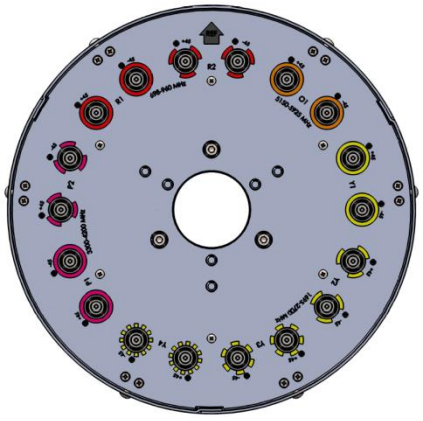
18-Port

Outline



Top





Bottom

MECHANICAL SPECIFICATIONS		
Connector Type & Quantity	-	18 x 4.3-10 Female
Connector Position	-	Bottom
Antenna Dimension (D x H)	(inch / mm)	Ø 16 x 24 / Ø 406 x 608.8
Weight (without Mounting Kit)	(lb / kg)	39.6 / 18
Wind Load (@100 mph)	(N)	316
Max.Wind Speed (Survival Wind Speed)	(mph)	150
Radome (Color)	-	ASA(Gray)

The parameters Based on the NGMN P-Basta definition and recommendation.

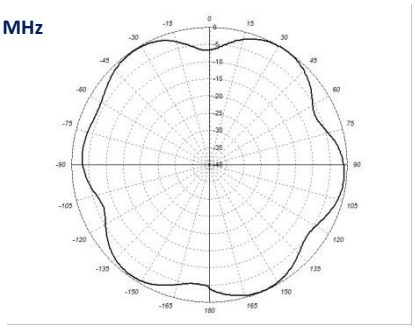
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Pseudo Omni 18-port Conduit Canister Antenna

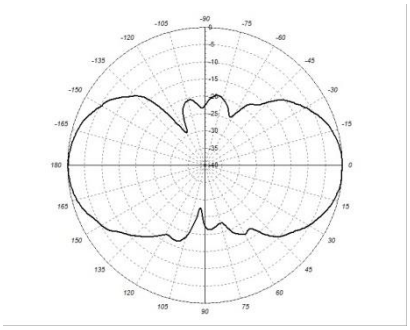
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18-Port

Pattern File_698-960 MHz

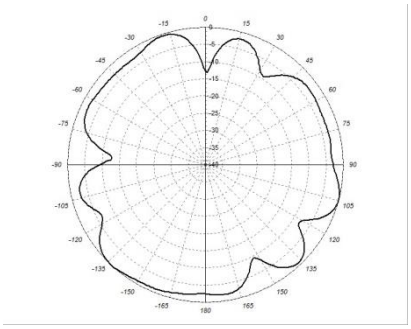


Horizontal

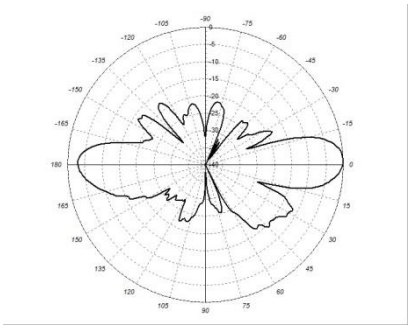


Vertical

Pattern File_1695-2700 MHz

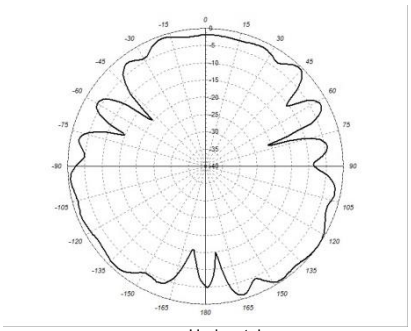


Horizontal

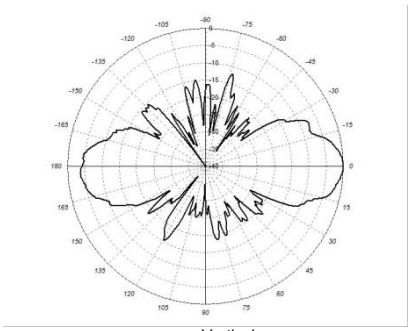


Vertical

Pattern File_3300-4200 MHz

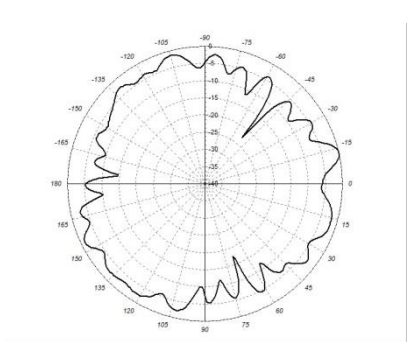


Horizontal

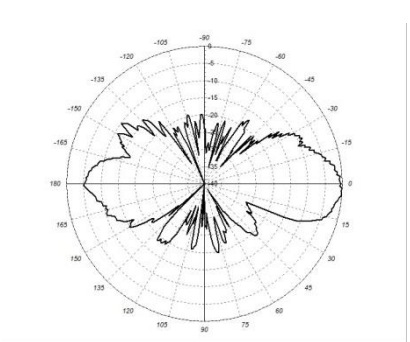


Vertical

Pattern File_5150-5925 MHz



Horizontal



Vertical

The parameters Based on the NGMN P-Basta definition and recommendation.

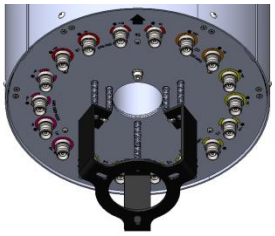
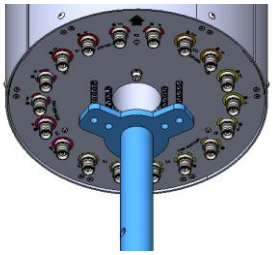
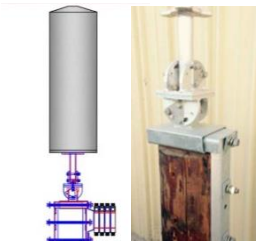
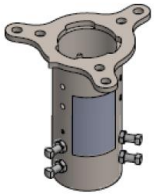
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Ordering Options for Mounting Kits — **Mounting bracket kits are not included.**

Part Number	Picture	Description
Optional **MTK-CA18PT** Gamma Nu Theta, Inc.		Use when needed for stack up solution through conduit
Optional **GN-ADPT-01** HP Communications Inc.		Mounting Bracket for 6-bolt star pattern 
Optional **900192** ConcealFab Corporation		Cantenna Sleeve, Universal

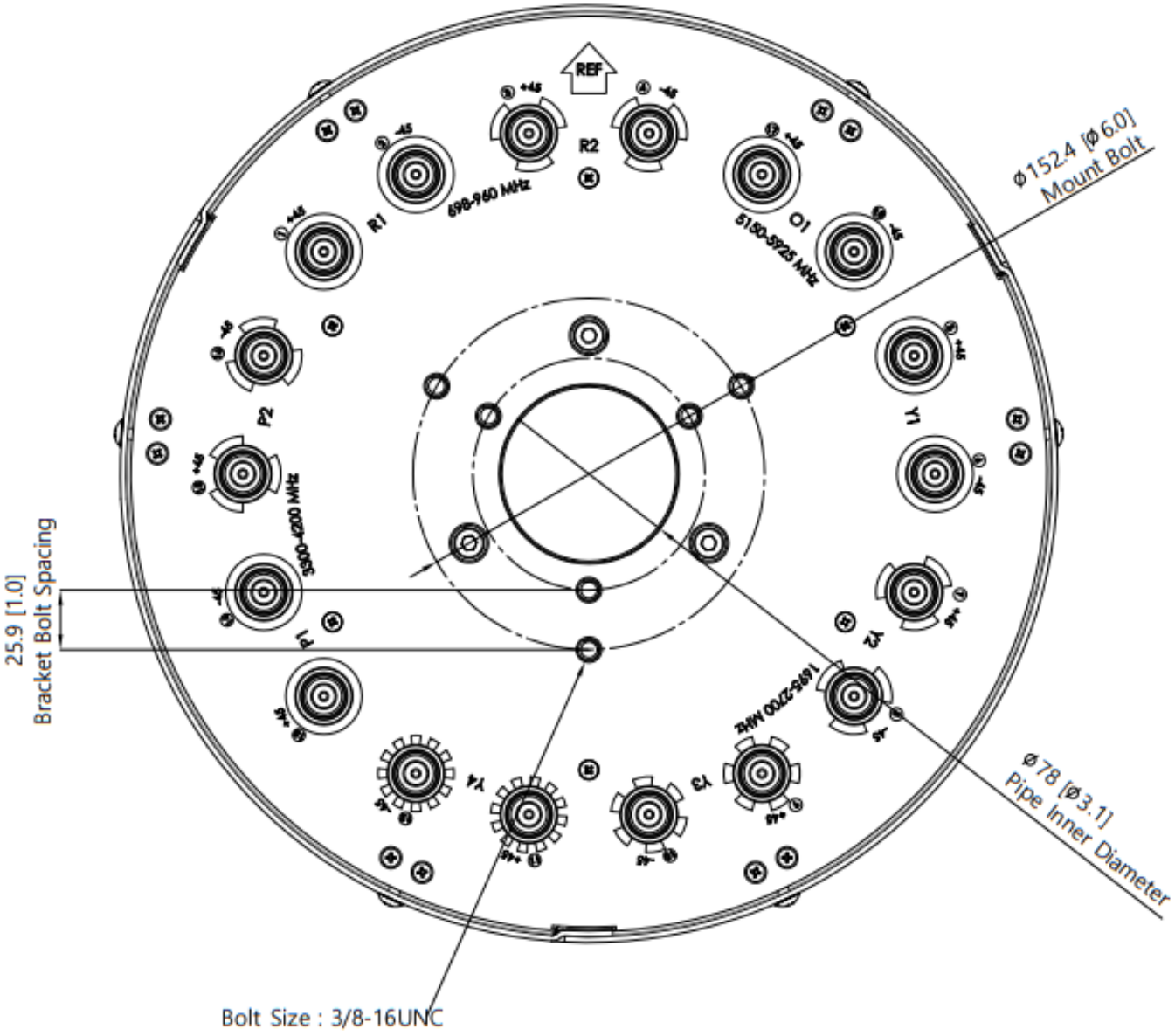
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Bottom Plate Details



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Thank you for your Consideration !

gamma nu
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