



30/30, 2-port Directional Panel Antenna

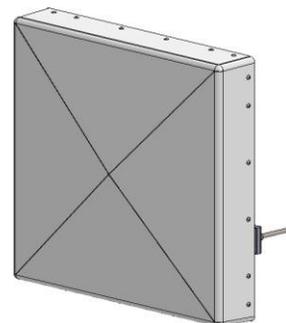
617-896 MHz
1695-2700 MHz
3300-4200 MHz

2-Port

DOY15X3030MD2TR

Features & Applications

- Spot Beam, Low + Mid + CBRS/C-Band Band Directional Panel Antenna with Triplexer
- 2-port x 617-896 MHz & 1695-2700 MHz & 3300-4200 MHz
- H 35 °, V35 ° / H 30 °, V 30 ° / H 24 °, V 24 °
- Gain : 14.1 dBi / 17.0 dBi / 16.8 dBi



ELECTRICAL SPECIFICATIONS`

Port Information	-	R1			
Frequency Range	(MHz)	617-698	698-806	806-896	
Gain (max.)	(dBi)	14.1	14.1	14.1	
Gain (avg.)	(dBi)	12.9	13.2	13.2	

Horizontal Pattern

Azimuth Beam width	(°)	40	35	31	
Front-to-Back Ratio	(dB)	30	30	30	

Vertical Pattern

Elevation Beam width	(°)	40	35	31	
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ELECTRICAL SPECIFICATIONS

Port Information	-	Y1			
Frequency Range	(MHz)	1695-1910	1910-2180	2305-2360	2360-2700
Gain (max.)	(dBi)	14.4	15.4	16.4	17.0
Gain (avg.)	(dBi)	14.2	14.7	16.0	16.4

Horizontal Pattern

Azimuth Beam width	(°)	33	30	23	22
Front-to-Back Ratio	(dB)	30	30	30	30

Vertical Pattern

Elevation Beam width	(°)	33	30	23	22
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ELECTRICAL SPECIFICATIONS

Port Information	-	P1			
Frequency Range	(MHz)	3300-4200			
Gain (max.)	(dBi)	16.8			
Gain (avg.)	(dBi)	16.0			

Horizontal Pattern

Azimuth Beam width	(°)	24			
Front-to-Back Ratio	(dB)	30			

Vertical Pattern

Elevation Beam width	(°)	24			
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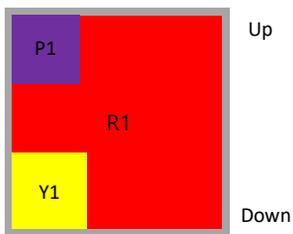
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GENERAL SPECIFICATIONS

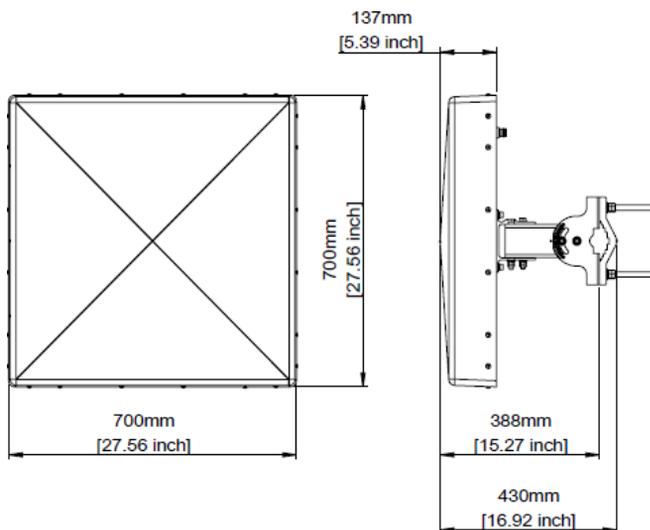
Port Information	-	R1	Y1	P1
Isolation	(dB)		>25	
VSWR	-		1.5 : 1	
Polarization	(°)		±45	
Intermodulation IM3	(dBc)		-153(3rd Order, 2x20W)	
Impedance	(Ω)		50	
Max. Effective Power per Port	(Watts)		100	

Array Information



Array	Frequency(MHz)	Connectors
R1 / Y1 / P1	617-896 / 1695-2700 / 3300-4200	1-2

Outline

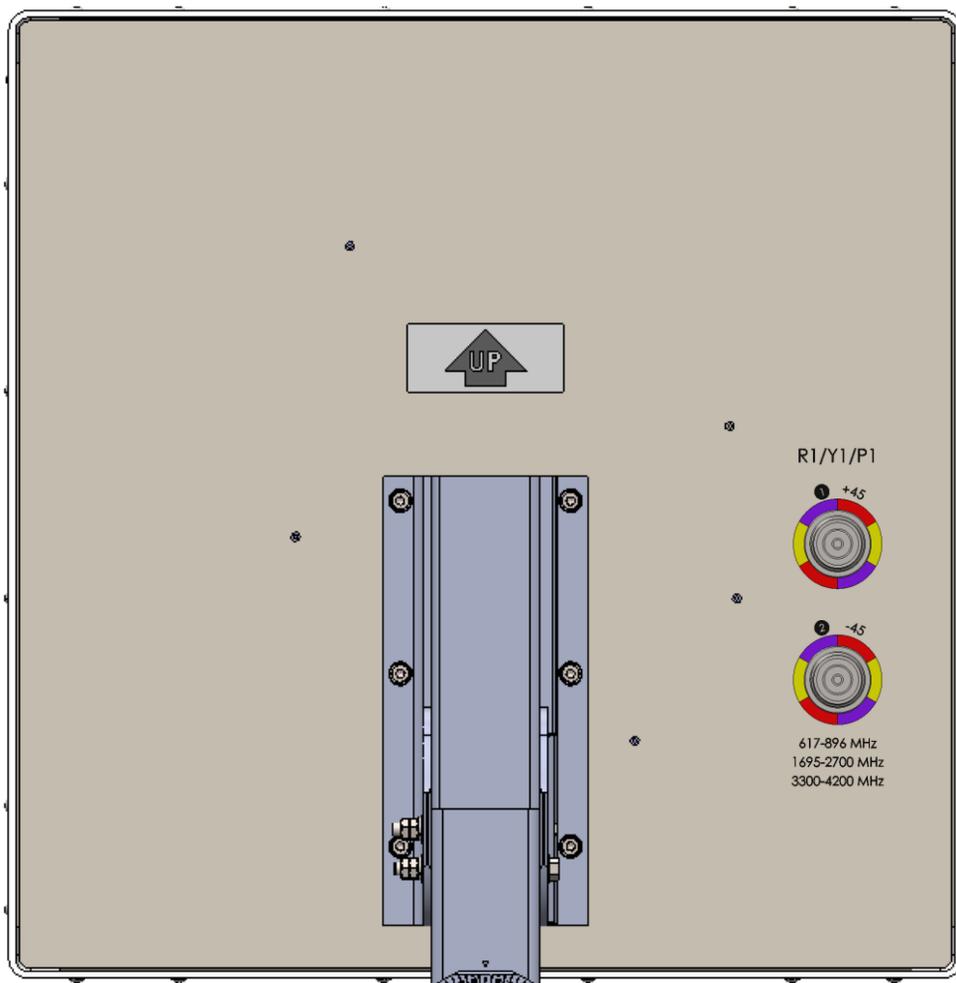




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MECHANICAL SPECIFICATIONS

Connector Type & Quantity	-	2 x 4.3-10 Female
Connector Position	-	Backside
Antenna Dimension (W x H x D)	(inch / mm)	27.6 x 27.6 x 5.4 / 700 x 700 x 137
Packaging Dimension (packed, W x H x D)	(inch / mm)	32.9 x 32.9 x 13.2 / 835 x 835 x 336
Weight (Net)	(lb / kg)	27.9 / 12.7
Weight (without Mounting Kit)	(lb / kg)	22.7 / 10.3
Weight (Packed)	(lb / kg)	36.8 / 16.7
Wind Load (@100 mph)	(N)	Front 742, Side 79, Rear 784
Max.Wind Speed (Survival Wind Speed)	(mph)	150
Radome (Color)	-	ASA (Gray)



Thank you for your Consideration !

gamma nu
PIM FREE ANTENNA

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