

ECOSC2Y2P/2S



Features & Applications

- BIDIRECTIONAL Small Cell Canister Antenna
- 4-port x 1695-2700 MHz / 4-port x 3300-4200 MHz
- HPBW : 70 °, 70 °
- Gain : 11.8 dBi, 10.9 dBi
- Fixed tilt 2 °
- Rotation of antenna direction is possible by bracket ECOSCBRACKET/2 (not supplied with the antenna, **(to be ordered separately)**)
- Mounting options (optional): wall mounting and pole mounting for mast Ø40 to Ø70mm ordering ECOSCBRACKET/2

ELECTRICAL SPECIFICATIONS

Port Information	-	Y1-Y2			
Frequency Range	(MHz)	1695-1920	1920-2180	2305-2360	2360-2700
Gain	Max.	9.6	11.3	11.5	11.8
	Avg.	8.6	8.8	10.4	10.2

Horizontal Pattern

Azimuth Beam width	(°)	94	73	62	62
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Vertical Pattern

Elevation Beam width	(°)	17	15	13	12
First Upper Side Lobe Suppression	(dB)	13	13	13	13
Electrical Down Tilt	(°)	Fixed 2°			

ELECTRICAL SPECIFICATIONS

Port Information	-	P1-P2		
Frequency Range	(MHz)	3300-3550	3550-3700	3700-4200
Gain	Max.	9.3	9.7	10.9
	Avg.	8.3	9.2	9.9

Horizontal Pattern

Azimuth Beam width	(°)	80	70	61
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Vertical Pattern

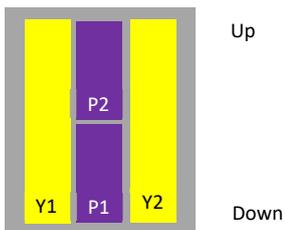
Elevation Beam width	(°)	16	16.1	13.8
First Upper Side Lobe Suppression	(dB)	13	13	13
Electrical Down Tilt	(°)	Fixed 2°		

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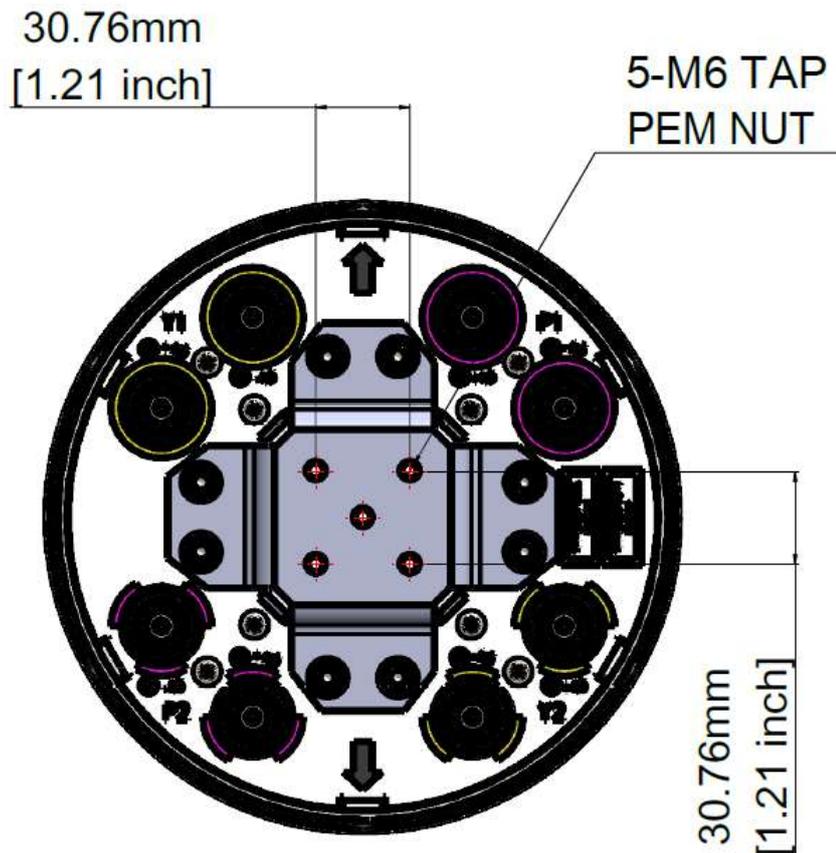
GENERAL SPECIFICATIONS

Port Information	-	Y1-Y2	P1-P2
Isolation	(dB)	>20	
VSWR	-	1.5 : 1	
Polarization	-	±45°	
Intermodulation IM3	(dBc)	-153(3rd Order, 2x20W)	-
Impedance	(Ω)	50	
Max. Power per Port	(Watts)	100	100

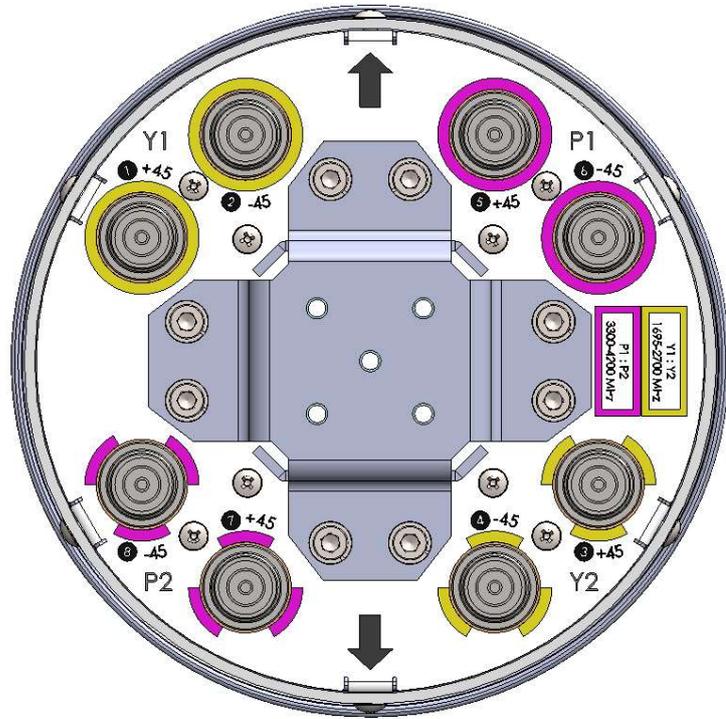
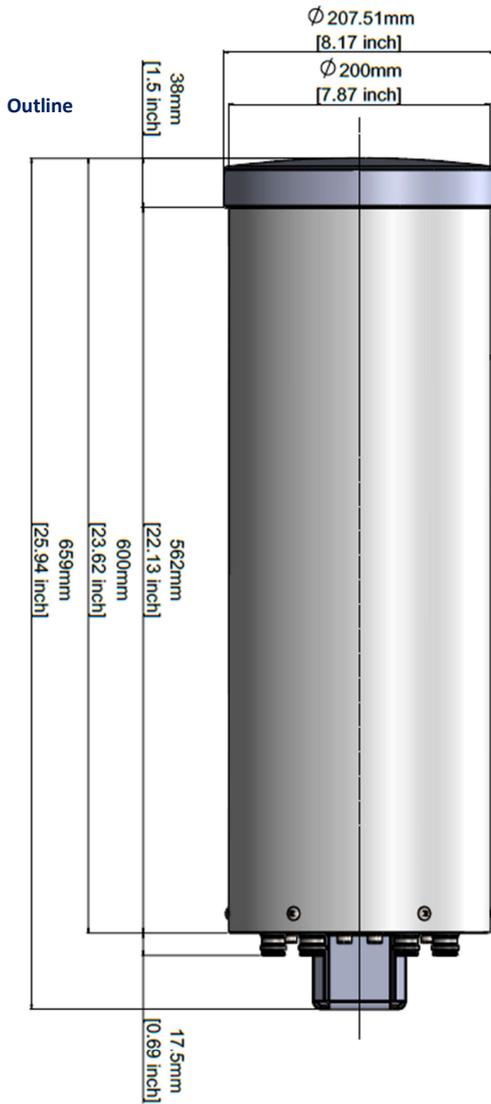
Array Information



Array	Frequency(MHz)	Connectors
Y1-Y2	1695-2700	1-4
P1-P2	3300-4200	5-8



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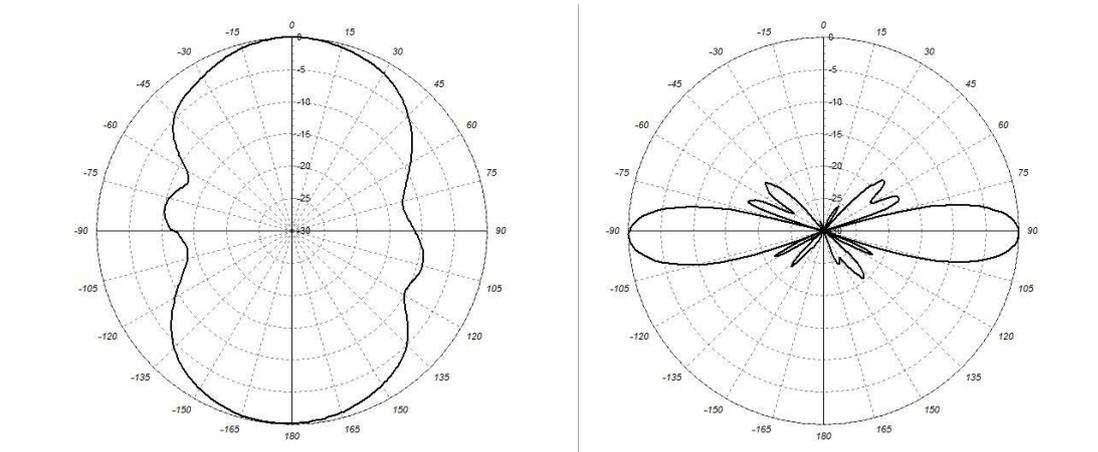


MECHANICAL SPECIFICATIONS

Connector Type & Quantity	-	8 x 4.3-10 Female
Connector Position	-	Bottom
Antenna Dimension (\varnothing x H)	(inch / mm)	$\varnothing 7.9 \times 23.6 / \varnothing 200 \times 600$
Weight (without Mounting Kit)	(lb / kg)	11 / 5
Wind Load (@100 mph)	(N)	107
Max.Wind Speed (Survival Wind Speed)	(mph)	150
Radome (Color)	-	ASA (Gray)

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Pattern File_1695-2700 MHz



Pattern File_3300-4200 MHz

