

ECOSD1Y2P

**1 x Mid + 2 x C band cylindrical
Tri-Sector Antenna
13.5 dBi / 14.3 dBi**

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2 x C band cylindrical
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Electrical specifications				
Port Information	Y1-Y3			
Frequency Range	1695-1910	1910-2180	2305-2360	2360-2700
Gain (AVG.)	12.9	13.1	13.3	13.5
Horizontal Pattern				
Azimuth Beam width (°)	67	65	63	61
Front-to-Back Ratio (dB)	23	23	24	20
Cross Polar Discrimination at Boresight (dB)	18	18	18	15
Vertical Pattern				
Elevation Beam width (°)	18	16	16	14
Electrical Downtilt continuously Adjustable	2-12			
First Upper Side Lobe Suppression	15			

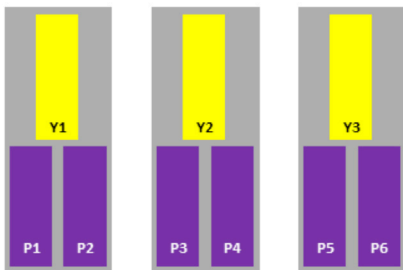
Electrical specifications				
Port Information	P1-P6			
Frequency Range	3300-3550	3550-3700	3700-4200	
Gain (AVG.)	13.8	14.1	14.3	
Horizontal Pattern				
Azimuth Beam width (°)	66	63	60	
Front-to-Back Ratio (dB)	25			
Cross Polar Discrimination at Boresight (dB)	18			
Vertical Pattern				
Elevation Beam width (°)	13	12	11	
Electrical Downtilt continuously Adjustable	2-12			
First Upper Side Lobe Suppression	15			

General specifications

Intra-Cluster Isolation (dB)	>25	
Inter-Cluster Isolation	>25 (Y1 / P1, P2) >20 (P1 / P2)	
VSWR	1.5 : 1	
Polarization	±45°	
Intermodulation IM3 (dBc)	-153(3rd Order, 2x20W)	
Impedance (Ω)	50	
Max. Effective Power per Port (Watts)	100	50



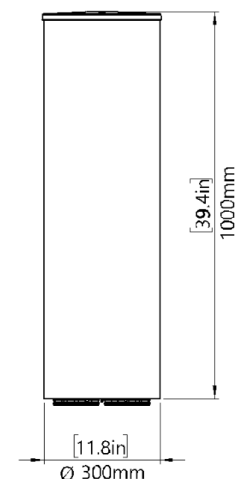
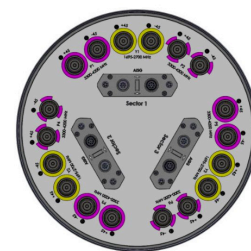
Array information



Sector No	Array	Frequency(MHz)	Connectors
Sector #1	Y1	16959-2700	1-2
	P1-P2	3300-4200	3-6
Sector #2	Y2	16959-2700	7-8
	P3-P4	3300-4200	9-12
Sector #3	Y3	16959-2700	13-14
	P5-P6	3300-4200	15-18

Mechanical specifications

Connector Type & Quantity	18 x 4.3-10 Female
Connector Position	Bottom
Antenna Dimension (WxD) (mm)	Ø 300 x 1000
Packing Dimension (WxHxD) (mm)	360 x 360 x 1100
Weight (without Mounting Kit) (kg)	30
Weight (packed)	37
Wind Load (@100 mph) (N)	270
Radome (Color)	ASA (Cool Gray)



Remote Electrical Tilt (RET)

Internal RET	RETP-1T2 (Internal RET 2 CH.)
Protocol	3GPP/AISG 2.0