ECOSD4Y4P

Tri-Sector Antenna
8-port x 1695-2690 MHz
8-port x 3400-3800 MHz
15dBi / 14.1dBi

Trisector antenna
1695-3800 / 15dBi / 14.1dBi

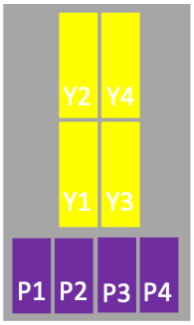
Electrical specifications (None Beamforming)				
Port Information	Y1-Y4			
Frequency Range	1695-1755	1850-1990	2110-2155	2500-2690
Gain (bottom)	13.9	14.8	15.3	15.5
Gain (top)	13.5	14.3	14.7	15.0
Horizontal Pattern				
Azimuth Beam width (°)	70±5	68±5	64±5	55±5
Front-to-Back Ratio (dB)	<-25			
Cross Polar Discrimination at Boresight (dB)	>15			
Cross Polar Discrimination over Sector (dB)	>8	>8	>7	>6
Vertical Pattern				
Elevation Beam width (°)	13±3	12±3	11±3	10±3
Electrical Downtilt continuously Adjustable	4-14			
First Upper Side Lobe Suppression	>14			

Electrical specifications (Single Column Beam)	
Port Information	P1-P4
Frequency Range	3400-3800
Gain (dBi)	13.0
Horizontal Pattern	
Azimuth Beam width (°)	80±15
Front-to-Back Ratio (dB)	>25
Cross Polar Discrimination at Boresight (dB)	>15
Vertical Pattern	
Elevation Beam width (°)	11±3
Electrical Downtilt continuously Adjustable	4-14
First Upper Side Lobe Suppression	>13

Mechanical specifications

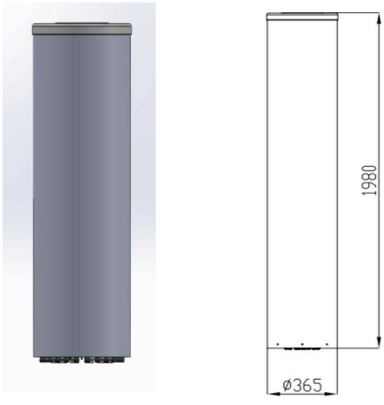
Connector Type & Quantity	9 × 4-Pin MLOC Multi Cluster 3 x 5-Pin MLOC Multi Cluster (Cal. Port)
Connector Position	Bottom
Antenna Dimension (WxD) (inch / mm)	77.9 × 14.3 / 1980 × Ø365
Weight (without Mounting Kit) (lb/kg)	132 / 60
Wind Load (@100 mph) (N)	570
Max.Wind Speed (Survival Wind Speed) (mph)	150
Radome (Color)	U-PVC (Gray)

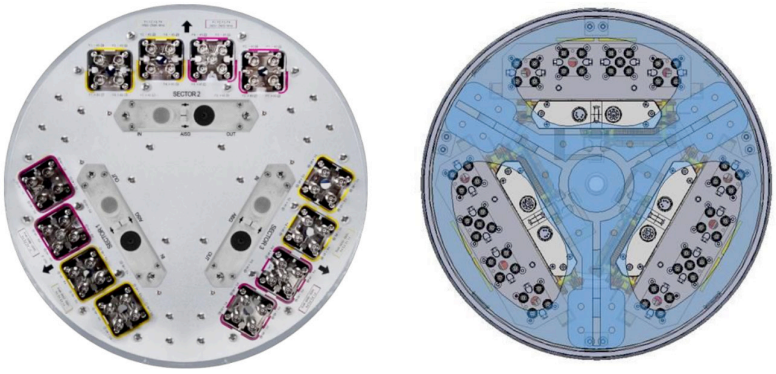
Array information



Array	Frequency(MHz)	AISG RET Unique ID	Connectors
Y2-Y4	1710-2690	GNXXXXXXXXXXXXXXXXX1	MLOC 4PIN X 1
Y1-Y3	1710-2690	GNXXXXXXXXXXXXXXXXX2	MLOC 4PIN X 1
P1-P4	3400-3800	GNXXXXXXXXXXXXXXXXX3	MLOC 4PIN X 1 MLOC SPIN X 1 (Cal. PORT)

Outline





Connector Lay Out with Bracket Overlay