

# ECOSD4P

(8-port x 3400-3800 MHz) x 3 sector  
 H 70 °, V 6.5 °  
 Gain : 15.0 dBi  
 Electrical Down tilt : 2°-12°

## 3.5G 8T8R Tri-Sector Antenna

Electrical specifications Service Beam (beamforming)	
Port information	P1-P4
Frequency Range (MHz)	3400-3800
0° Beam Gain (dBi)	19.2
+30° Beam Gain (dBi)	19.0
<b>Horizontal Pattern</b>	
0° Beam Azimuth Beam width (°)	23
0° Beam Front-to-Back Ratio (dB)	>23
0° Beam Cross Polar Discrimination at Boresight (dB)	>15
+30° Beam Azimuth Beam width (°)	24
+30° Beam Front-to-Back Ratio (dB)	>23
+30° Beam Cross Polar Discrimination at Boresight (dB)	>15
<b>Vertical Pattern</b>	
0° Beam Elevation Beam width (°)	7
0° Beam First Upper Side Lobe Suppression	>13
+30° Beam Elevation Beam width	7
0° Beam First Upper Side Lobe Suppression	>13
Electrical Downtilt continuously Adjustable	2-12

Electrical specifications Single Column Beam	
Port information	P1-P4
Frequency Range (MHz)	3400-3800
Gain (dB)	14.5
<b>Horizontal Pattern</b>	
Azimuth Beam width (°)	80
Front-to-Back Ratio (dB)	>21
Cross Polar Discrimination at Boresight (dB)	>15
Cross Polar Discrimination over Sector (dB)	>8
<b>Vertical Pattern</b>	
Elevation Beam width (°)	7
Electrical Downtilt continuously Adjustable (°)	2-12
First Upper Side Lobe Suppression (dB)	>13

Electrical specifications Broadcast Beam (beamforming)	
Port information	P1-P4
Frequency Range (MHz)	3400-3800
Gain (dB)	15.5
<b>Horizontal Pattern</b>	
Azimuth Beam width (°)	65
Front-to-Back Ratio (dB)	>21
Cross Polar Discrimination at Boresight (dB)	>15
<b>Vertical Pattern</b>	
Elevation Beam width (°)	7
Electrical Downtilt continuously Adjustable (°)	2-12
First Upper Side Lobe Suppression (dB)	>13

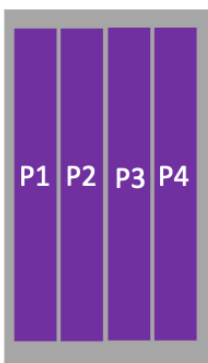
### General specifications

Intraband Isolation (dB)	>25
Interband Isolation (dB)	>20(P1//P2//P3//P4)
VSWR	1.5 : 1
Polarization	±45
Intermodulation IM3 (dBc)	-153(3rd order, 2x20W)
Impedance (Ω)	50
Max. Effective Power per Port (Watts)	75

### Mechanical specifications

Connector Type & Quantity	27 x 4.3-10 Female 8+1 (calibration port) per sector
Connector Position	Bottom
Antenna Dimension (D x H) (inch / mm)	39.4 x Ø 14.5 / 1000 x Ø370
Weight (without Mounting Kit) (lb / kg)	50.7 / 25
Wind Load (@100 mph) (N)	330
Max.Wind Speed (Survival Wind Speed) (mph)	150
Radome (Color)	ASA (Light Gray)

### Array information



Array	Frequency(MHz)	AISG RET Unique ID	Connectors
P1-P4	3400-3800	GNRETXXXXXXXXXX XX3	27 x 4.3-10 Female 8+1 (calibration port) per sector

Outline

