

ECOSD6Y

Tri-Sector with Internal RET antenna
15.7 .dBi

4-port x 1710-2690 MHz
 per sector
 Gain : 15.7 .dBi

Electrical specifications

Port Information	Y1-Y2				
Frequency Range (Mhz)	1710-1880	1850-1990	1910-2170	2300-2400	2500-2690
Gain (Mid Tilt) (upper)	14.6	15.2	15.4	15.4	15.1
Gain (Mid Tilt) (Down)	14.9	15.5	15.7	15.7	15.4

Horizontal Pattern

Azimuth Beam width (°)	66	61	61	64	65
Front-to-Back Ratio (dB)	25				
Cross Polar Discrimination at Boresight	15				

Vertical Pattern

Elevation Beam width (°)	16	16	15	14	15
First Upper Side Lobe Suppression(dB)	15				
Electrical Down tilt continuously adjustable	2-12				

General specifications

Isolation (dB)	>25
Inter-Band Port Isolation (dB)	>30
VSWR	1.5 : 1
Polarization	±45°
Intermodulation IM3 (dBc)	-153 (2 x 43 dBm Carrier)
Impedance (Ω)	50
Max. Effective Power per Port (Watts)	250



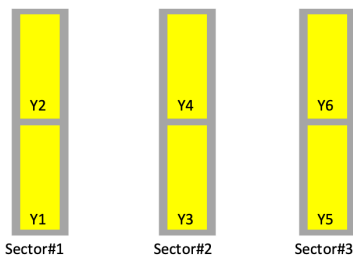
Mechanical specifications

Connector Type & Quantity	8 x 4.3-10 Female
Connector Position	Bottom
Antenna Dimension (WxD) (mm)	Ø 240 x 1650
Packing Dimension (WxHxD) (mm)	300 x 300 x 1850
Weight (without Mounting Kit) (kg)	20
Weight (packed)	30
Wind Load (@100 mph) (N)	395N
Max.Wind Speed (Survival Wind Speed) (mph)	150
Radome (Color)	ASA (Cool Gray/R7035)

Remote Electrical Tilt (RET)

Internal RET	RETP-1T3 (Internal replaceable RET)
Protocol	3GPP/AISG 2.0

Array information



Sector No	Array	Frequency(MHz)	Connectors
Sector #1	Y1-Y2	1710-2690	1-4
Sector #2	Y3-Y4	1710-2690	5-8
Sector #3	Y5-Y6	1710-2690	9-12

