

Short X [L, L, H, H, H, H]

Model : EHST201C



ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	R1/R2 (698-960)			Y1/Y2/Y3/Y4 (1695-2690)			
	698-824	791-894	880-960	1695-1990	1920-2180	2300-2400	2490-2690
Polarization	±45°						
Gain over all tilts (dBi)	13.5±0.9	13.8±0.8	14.1±0.8	17.0±0.8	17.3±0.8	17.4±0.8	17.5±1
Horizontal 3dB beam width(°)	68±12	66±10	60±10	67±7	65±6	64±6	58±9
Vertical 3dB beam width(°)	15.1±1.0	14.2±0.9	13.4±1.0	7.0±0.9	6.3±0.8	5.8±0.8	5.4±0.8
Front to back ratio(dB)	≥23	≥24	≥24	≥24	≥25	≥25	≥24
Cross polar ratio(0°)(dB)	≥15	≥15	≥15	≥15	≥15	≥15	≥15
Upper side lobe suppression (dB)	≥15	≥15	≥15	≥15	≥15	≥15	≥15
Electrical Downtilt (°)	2-14			2-12			
Electrical Downtilt accuracy (°)	±2						
Ports VSWR	≤1.5						
Isolation: intra-system (dB)	≥25						
Isolation: inter-system (dB)	≥25						
Intermodulation IM3 (2 × 43dBm)	≤ -153dBc						
Impedance (Ω)	50						
Max Input Power (W)	1200						

MECHANICAL SPECIFICATIONS

Connector(s)	12×4.3-10 female
Connector position	Bottom
Antenna Dimensions (mm)	1550×499×199
Packing Dimensions (mm)	/
Mechanical Downtilt kits (°)	0-12
Radome Color	light gray
Radome Material	Fiberglass
Antenna weight (kg)	≤32
Packing weight (kg)	≤44
Wind load (N,at 150km/h) Frontal/Lateral/Rearside	1378/194/1592N
Operating temperature (°C)	-40 ~ +60
Maximum Wind Speed(km/h)	200
Mounting Pipe Diameter	Φ50~Φ115



(mm)		
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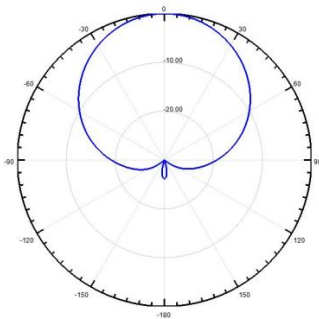
Model : EHST201C



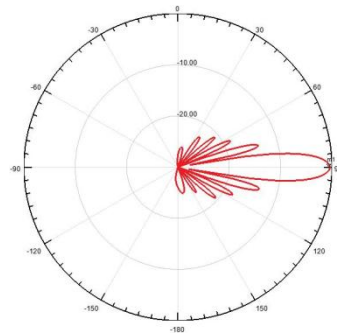
Integrated RET Properties

RET type	Replaceable Integrated RET
RET protocol	AISG 2.0/3GPP
Power supply(V)	10-30 DC
Power consumption(W)	≤0.6(Idle,12V), ≤6(in Motion,12V)
Adjustment time (Full Range)	≤4Mins
Adjustment cycles	> 50,000
Temperature range(°C)	-40~65
Lightning protection	3KA(8/20μs) @ Pin5& Pin3; 5KA(8/20μs) @ Pin1/ Pin6& Pin7
Connectors	2 x 8 Pin circle connector according To IEC 60130- 9 And AISG.Daisy chain in:Male,Daisychain out :Female Pin1:12V;Pin3:RS485B;Pin5:RS485A;Pin6:10-30V;Pin7:GND; Pin2 &Pin4 & Pin8:N/C

Pattern



H Pattern



E Pattern

