

Hybrid antenna FDD+TDD

Model: EHS1T101A



EAHISON

ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	R1/R2	Y1/Y2/Y3/Y4
	690-960	1710-2690
Polarization	$\pm 45^\circ$	
Gain over all tilts (dBi)	≥ 14.5	≥ 17
Horizontal 3dB beam width($^\circ$)	65	33
Vertical 3dB beam width($^\circ$)	10 ± 2	8 ± 2
Front to back ratio(dB)	≥ 25	≥ 25
Cross polar ratio(0°)(dB)	≥ 15	≥ 15
Upper side lobe suppression (dB)	≥ 15	≥ 15
Electrical Downtilt ($^\circ$)	2-14	2-12
Electrical Downtilt accuracy ($^\circ$)	± 1	
Ports VSWR	≤ 1.5	
Isolation: intra-system (dB)	≥ 25	
Isolation: inter-system (dB)	≥ 25	
Intermodulation IM3 ($2 \times 43\text{dBm}$)	$\leq -153\text{dBc}$	
Impedance (Ω)	50	
Max Input Power (W)	1000	

MECHANICAL SPECIFICATIONS

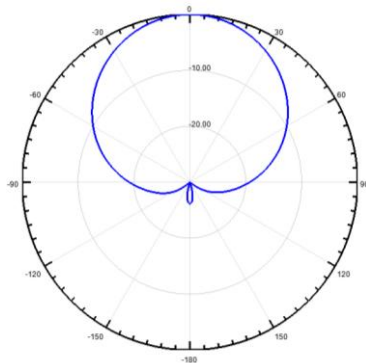
Connector(s)	$12 \times 4.3-10$ female
Connector position	Bottom
Antenna Dimensions (mm)	$2190 \times 500 \times 158$
Packing Dimensions (mm)	/
Mechanical Downtilt kits ($^\circ$)	0-12
Radome Color	light gray
Radome Material	Fiberglass
Antenna weight (kg)	≤ 43
Packing weight (kg)	/
Wind load (N, at 150km/h) Frontal/Lateral/Rearside	/
Operating temperature ($^\circ\text{C}$)	$-40 \sim +60$
Maximum Wind Speed(km/h)	200
Mounting Pipe Diameter (mm)	$\Phi 50 \sim \Phi 115$
RET type	Replaceable Integrated RET

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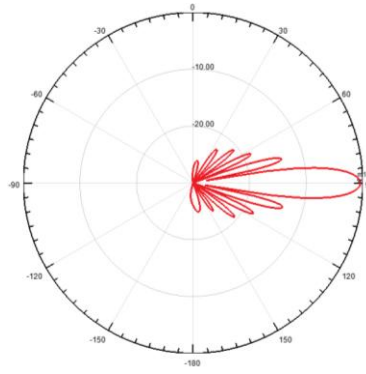
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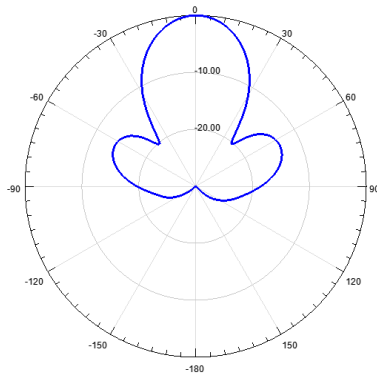
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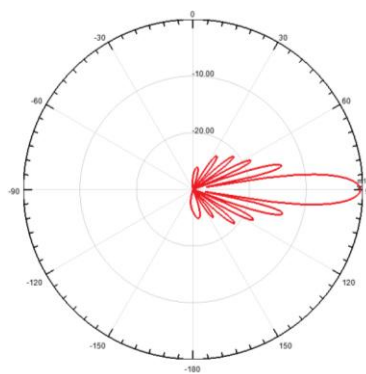
690-960 H Pattern



690-960 E Pattern



690-960 H Pattern



690-960 E Pattern

