

Product Specification Sheet

Single High Broadband Antenna



Model : ST-HBB-90-11-FET0
Xpol, 1710-2170MHz,90°, 11dBi, FET0

Electrical Specifications

Frequency range (MHz)	1710-1880	1850-1990	1920-2170
Polarization	± 45°		
Gain (dBi)(Avg.)	10.5	11	11.5
Horizontal Half-power beam width	88°	89°	90°
Front-to-back ratio (dB)	≥ 25		
Cross polar ratio	Typically:		
Main direction	≥ 20		
Sector	± 60°		
Vertical Half-power beam width (Avg.)	30°	28°	27°
Electrical tilt	0°		
Impedance	50 Ω		
VSWR	<1.5		
Isolation, between ports: Intrasystem (dB)	≥27		
Intermodulation IM3 (2x43 dBm carrier) (dBc)	< -150		
Max power per input (W)	150 W		

Mechanical Specifications

Input	2 x 7/16 DIN Female
Connector position	Bottom
Wind load, frontal / lateral / rear side 42 m/s Cd=1.6 (N)	38/19/47
Mounting brackets	Pre-mounted from factory
Weight (Without brackets) (kg)	1.0
Weight (With brackets) (kg)	1.6
Dimension (H x W x D) (mm)	280 x 140 x 65
Radome Material	UPVC
Radome Color	Light Grey
Operating Temperature (°C)	-40° C to +60° C
Lightning protection	DC grounded

Antenna Patterns: Supplied details separately

