

Product Specification Sheet

Dual Broadband Antenna



Model : ST-DBB-33/33-15/18-FET2-Di
XXpol, 820-960/1710-2170MHz, 15/18dBi, 33°/33°, FET2°

Electrical Specifications

	Port1&2		Port1 & 2		
	806-960	880-960	1710-1850	1850-1920	1920-2170
Frequency range (MHz)	806-960	880-960	1710-1850	1850-1920	1920-2170
Polarization	± 45°		± 45°		
Gain (dBi)(Avg.)	14.5	15	17.3	17.7	18
Horizontal Half-power beam width	35°	34°	35°	34°	33°
Horizontal sidelobe suppression (dB)	< -18				
Front-to-back ratio (dB)	≥ 30				
Vertical Half-power beam width (Avg.)	19°	18°	16°	15.5°	15°
Electrical tilt	2°				
Impedance (Ω)	50				
VSWR	< 1.5				
Isolation, between ports: Intrasystem (dB)	> 25				
Intermodulation IM3 (2x43 dBm carrier)(dBC)	< -150				
Max power per input (W)	250		200		

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)	339 / 151 / 423
Mounting brackets	Pre-mounted from factory
Weight (Without brackets) (kg)	11Kg
Weight (With brackets) (kg)	15 Kg
Dimension (H x W x D) (mm)	700 x 530 x 180
Radome Material	GRP
Radome Color	Light Grey
Operating Temperature (°C)	-40 to +60
Lightning protection	DC grounded

Antenna Patterns: Supplied details separately

