

Product Specification Sheet

Dual Broadband Antenna



Model : ST-DBB-23/23-16/17-FET0-Di
XXpol,820-960/1710-2170MHz,16/17dBi,23°/23°,FET0°/0°

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.)	16	16.5	16	16.5	17
Horizontal Half-power beam width	23	19	23	18	15
Front-to-backratio (dB)	> 30				
Vertical Half-power beam width (Avg.)	37	33	36	33	30
Electrical tilt	0°				
Impedance	50 Ω				
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	Rear
Wind load, frontal / lateral / rear side 42 m/s Cd=1.6 (N)	489x191x611
Mounting brackets	Pre-mounted from factory
Weight (Without brackets) (kg)	11Kg
Weight (With brackets) (kg)	15 Kg
Dimension (H x W x D) (mm)	908 x 530 x 180 (Approx.)
Radome Material	GRP
Radome Color	Light Grey
Operating Temperature (°C)	-40 to +60
Lightning protection	DC grounded

Antenna Patterns: Supplied details separately

