

Product Specification Sheet

High Broadband Antenna

SUNTEL

Model : **STSH6511F8BX**

1710-2170MHz, Bi-Directional, 11 dBi, 65°, FET8

Electrical Specifications

Frequency range (MHz)	1710-1880	1850-1990	1990-2170
Polarization	±45°		
Gain (dBi)(Avg.)	10.5	10.7	11
Horizontal Half-power beam width	65	62	60
Vertical Half-power beam width (Avg.)	18	17	15
Electrical tilt	8°		
Upper side-lobe suppression above main beam (dB)	< -18		
Impedance	50 Ω		
VSWR	< 1.5		
Isolation, between ports: Intrasystem (dB)	> 30 dB		
Intermodulation IM3 (2x43 dBm carrier) (dBc)	< -150		
Max power per input (W)	150		

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)	120/110
Mounting brackets	Pre-mounted from factory
Weight (Without brackets) (kg)	2 Kg
Weight (With brackets) (kg)	4 Kg
Dimension (H x W x D) (mm)	531x130x122
Radome Material	GRP
Radome Color	Light Grey
Operating Temperature (°C)	-40° C to +60° C
Lightning protection	DC grounded

Antenna Patterns: Supplied details separately

