

SMART ELECTRONICS COMMUNICATION

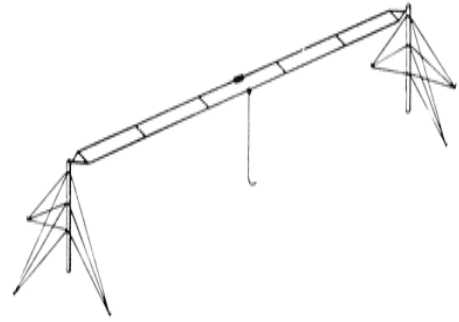
Delhi, INDIA

E-mail: info@secantenna.com Website: www.secantenna.com

HF TWO FOLD BROADBAND DIPOLE ANTENNA

DESIGN FEATURES: The S2HF Broadband Dipole Omni directional Antenna offer optimum performance, fully automatic, low SWR operation over the entire HF band 1.8 – 30 MHz and suitable for receiving or HF spectrum monitoring or surveillance.

CONSTRUCTIONS: The HF broadband antenna is designed by using two folded arms with a matching Balun. The HF Broadband Dipole Antenna provides optimum performance over complete HF band, eliminating the requirement of multiple antennas.



ELECTRICAL SPECIFICATIONS:

Model No.:	S2HF	S2HF-SS
Frequency Range	1.8 – 30MHz	
Gain	3 dBi	
Bandwidth	Full Band	
Polarization	Horizontal or inverted “ V ”	
Input Impedance	50 Ohms	
Radiation Pattern	Omni Directional	
VSWR	≤ 2.5 : 1	
RF Power Handling Capacity	Up to 1KW with matched termination box	
Input Connector	UHF-female(By default) / N-Female	
Lightning Protection	Direct Ground	

MECHANICAL SPECIFICATIONS:

Net Weight	3 Kg (Antenna Only)	
Overall antenna Length	25 Meters	
Shipping Box Size	58 x 40 x 40 cm (Pack of 6 antenna units)	
Wind Rating	150 Km/Hr.	
Balun Base Diameter	50 mm (Balun)	
Base Material	Nylon (Balun)	
Dipole Material	Twisted Copper with Insulator	Stainless Steel wire Grade 304
Conductor Separation	18” inch	
Spreaders Material	PVC Pipe	
Insulator Material	Nylon	
Recommended Mast Height	9-11 Meters (30-36 Feet)	
Distance between Mast	25-30 Meters	

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-)10° to +55° Degrees Celsius	
Storage Temperature	(-)20° to +55° Degrees Celsius	
Humidity	0 to 95% RH	



Note: All information contained in the datasheet is subject to change without any prior notice.