

SMART ELECTRONICS COMMUNICATION

Delhi, INDIA

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HF MULTI-BAND TRAP DIPOLE ANTENNA

CONSTRUCTIONS: The HF multi-band trap dipole antenna is designed by using insulated copper wire with a matching Balun. Tuning of each band is served by traps attached along with the dipole arms. Adjusting arms are provided for fine tuning of each HF band.

ELECTRICAL SPECIFICATIONS:

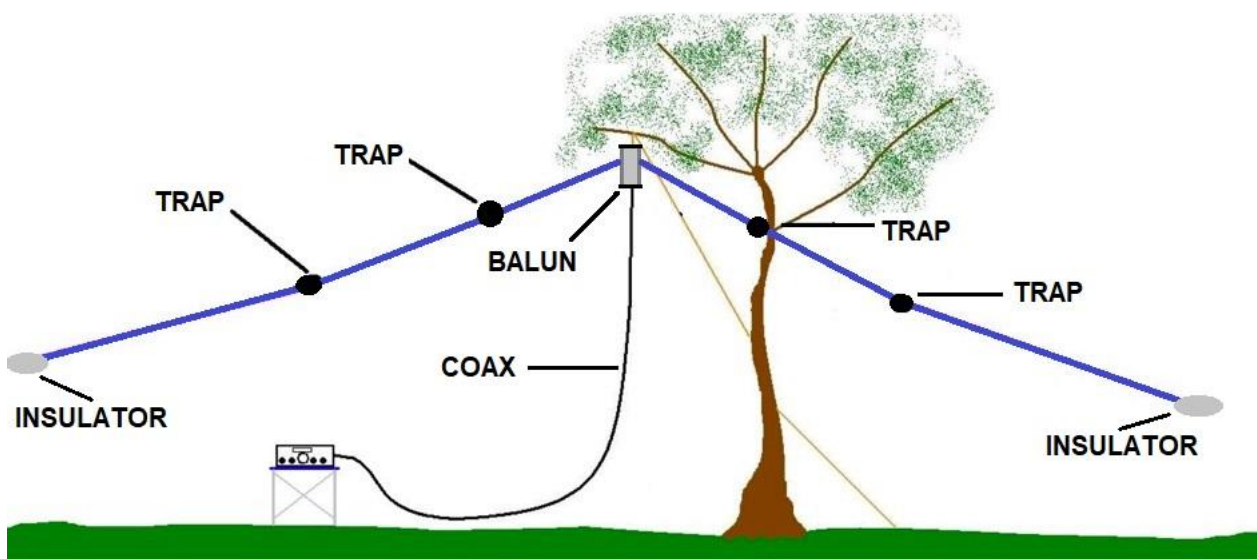
Model No.:	STHF-8010
Frequency Range	3.5/7/14/21/28 MHz (80m/40m/20m/15/10m)
Gain	Unity
Polarization	Horizontal or inverted "V"
Input Impedance	50 Ohms
Radiation Pattern	Omni Directional
VSWR	$\leq 2 : 1$
RF Power Handling Capacity	Up to 1KW PEP
Input Connector	UHF-female(By default) / N-Female
Lightning Protection	Direct Ground

MECHANICAL SPECIFICATIONS:

Net Weight	3 Kg
Overall antenna Length	19 Meters
No. of traps	6 no's
Wind Rating	150 Km/Hr.
Balun Base Diameter	50 mm (Balun)
Base Material	Nylon (Balun)
Dipole Material	Insulated Copper wire
Insulator Material	Ceramic
Recommended Mast Height	9-11 Meters (30-36 Feet)
Distance between Mast	20-22 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.