

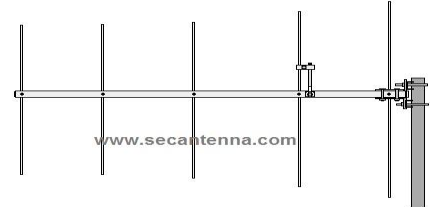
# SMART ELECTRONICS COMMUNICATION

Delhi, INDIA

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Model No.: SY350	Frequency: 328-367 MHz	Elements: 8
YAGI ANTENNA		

**DESIGN FEATURES:** Yagi antenna design reflects innovative modern antenna construction. The unique design of the yagi antenna feed which works as matching device to keep the VSWR low resulting in increased efficiency of the yagi antenna. The mounting hardware supplied facilitates mounting on either vertical or horizontal members. The yagi antenna comes in pre-assembled condition with permanently fixed elements in the support boom. The small surface area on the yagi antenna minimizes wind resistance and conserves tower loading capacity.



**CONSTRUCTIONS:** Structure of SY350 yagi antenna has been constructed in high quality 6063T6 aluminium alloys to prevent corrosion. The Yagi antenna is supplied with N female connector. This directional yagi antenna comes factory tuned and does not require any field adjustment.

ELECTRICAL SPECIFICATIONS:	
Frequency Range	328-367 MHz
Gain	12 dB
Polarization	Vertical or Horizontal
Input Impedance	50 Ohms.
Radiation Pattern	Directional
Horizontal Beam-width	50°
Vertical Beam-width	40°
Front to Back Ratio	20 dB
VSWR	1.5 : 1
Max. input Power Capacity	500 Watts
Input Termination	N-Female
Lightning Protection	Direct Ground
MECHANICAL SPECIFICATIONS:	
No. of Elements	8 Elements
Materials	Aluminium Alloy 6063T6
Mounting Hardware	Stainless Steel
Weight	3.5 Kg
Antenna Length	170 cm
Shipping Length	175 cm
Wind Rating	200 Km/Hr.
Radiating Material	Brass
Elements Materials-Outer Diameter	Aluminium round tube -12.7 mm
Support Boom Materials -Outer Diameter	Aluminium square tube -25 mm
Maximum Mounting Pipe Diameter	50 mm (2 inches)
ENVIRONMENTAL SPECIFICATIONS:	
Operating Temperature	(-)30 to +70 Degrees Celsius
Storage Temperature	(-)40 to +80 Degrees Celsius
Humidity	0 to 95% RH

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