

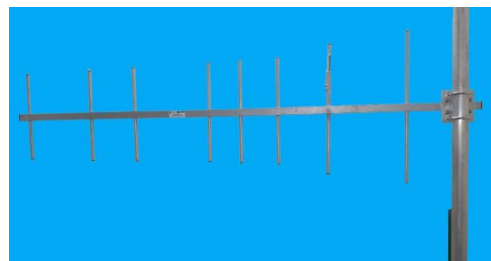
# SMART ELECTRONICS COMMUNICATION

Delhi, INDIA

E-mail: [info@secantenna.com](mailto:info@secantenna.com) Website: [www.secantenna.com](http://www.secantenna.com)

Model No.: SY150G12	Frequency: 136-174 MHz	Gain: 12 dBi
YAGI ANTENNA		

**CONSTRUCTIONS:** Structure of SY150 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	136-174 MHz
Bandwidth	8 MHz
Gain	12 dBi
Polarization	Vertical or Horizontal
Input Impedance	50 Ohms.
Radiation Pattern	Directional
Horizontal Beam-width	65°
Vertical Beam-width	45°
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	8~10 Elements
Materials	Aluminium Alloy 6063T6
Mounting Hardware	Stainless Steel
Weight	4 Kg
Antenna Length	150 cm
Wind Rating	200 Km/Hr.
Elements Materials-Outer Diameter	Aluminium-12.7
Support Boom Materials -Outer Diameter	Aluminium-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.