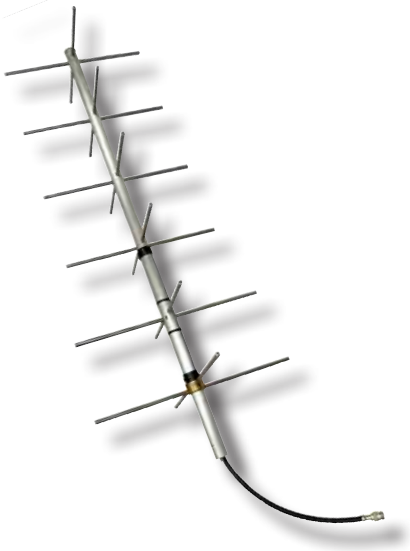
YAGI SATELLITE ANTENNA 5000-0151-1

Transmits Data from a Data Collection Platform (DCP) to any of the INSAT family of geostationary spacecraft or GOES/METEOSAT/MSG/GMS/FY2



APPLICATIONS

- GOES/METEOSAT/GMS/INSAT satellite DCPs (domestic and international channels)
- Any applications requiring high gain directional uplink antennas

FEATURES

- Rust resistant, moisture proof materials
- Reversible polarization ideal for INSAT satellites over India. RHC or LHC selected by assembly of antenna elements
- Field proven unit with demonstrated high reliability in remote locations and extreme meteorological conditions.
- Beamwidth wide enough to illuminate at least two of the GOES satellites- either the GOES East and the GOES Central or the GOES West and the GOES Central when pointed midway between the satellites.
- Packaged in a compact box
- Assembled in a few minutes
- High gain - operates with DCPs transmitting at less than 10 Watts (7.0 Watts typical)
- Cast aluminum base of antenna (ordered separately) can be installed on top of a standard 2-1/8 inch O.D. vertical pipe providing a wide range of adjustment

SPECIFICATIONS

Specifications subject to change without notice

ANTENNA TYPE	Crossed Yagi
POLARIZATION	Right Hand Circular/ Left Hand Circular (field selectable)
GAIN	11.0 dBi
CENTER FREQ.	401.8 MHz
3DB BEAMW	47 deg nom.
VSWR	1.5 max
IMPEDANCE	50 Ohms
AXIAL RATIO	5 dB max
LIGHTNING	Antenna & elements at DC ground
WIND SURVIVAL	100 knots
CONNECTOR	Type-N Female
TEMPERATURE	-55 to +65°C
WEIGHT	5 lbs aluminum
SIZE	10.5 in. x 10.5 in. x 43.3 in.

ORDERING

5000-0151-1	Antenna, Yagi Satellite, Aluminum
6661-1118-1	Mounting Base
2911-1066-1	Mounting Kit, antenna to tower
6411-1162-1	Cable Assy, antenna, 15 ft.

Order Mounting Kit & Base Separately.

HELPFUL HINTS

- Always calculate the uplink EIRP that is transmitted to the satellite to be certain it does not exceed the maximum allowable. To calculate this value, consult uplink budget information.
- When antenna is installed outdoors, connect cable with the type-N connector to the connector on the antenna. Use an outdoor weatherproofing tape or antenna sealant tape around the connector to keep water from entering the connector.

  Tape such as 3M (Scotch) 2242 Linerless Electrical Rubber Splicing Tape or other similar water-sealing tape is recommended.

SUTRON

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