



UHF-YAGI-11

UHF Yagi Satellite Antenna

P/N: YAGI-11

The SAM-GOES-11 Cross Polarized Yagi Antenna is a rugged antenna designed for optimum performance for Environmental Satellite applications such as GOES and INSAT (located any where in the geostationary arc from 45° E to 115° E longitude). The driven elements are fed by a solid 3/8 rod feed system that allows or maximum power input. The feed system is completely sealed from the elements in order to withstand unusually harsh weather situations and environments.

Specifications

Polarization: LHCP and RHCP (Switchable in the field)

Gain: 11dBi

Center Frequency: 401.8 MHz

Bandwidth: 6 Mhz

3dB Beam Width: 40°

VSWR: 1.2 : 1

Impedance: 50 Ω

Axial Ratio: 0.8 to 1 dB

Operating Wind Speed: 150 mph

Wind Survival: 200 mph

Material: Aluminum (Rust-proof and oxidation-proof for use in coastal and saline area)

Connector Type: N type Female

Mounting: Fit with 1 or 2 (2.5 OD) with 360° Azimuth and elevation adjustment.

Operating Temperature: -40 to +60° C

Operating Relative Humidity: 0-100 % RH

Weight: 5 lbs.

Length: 44"

Crossed Dipoles: ½ wave length (15").

Volume: 6 ft³

Operating Rain Rate: 100 mm/Hr and water proof