

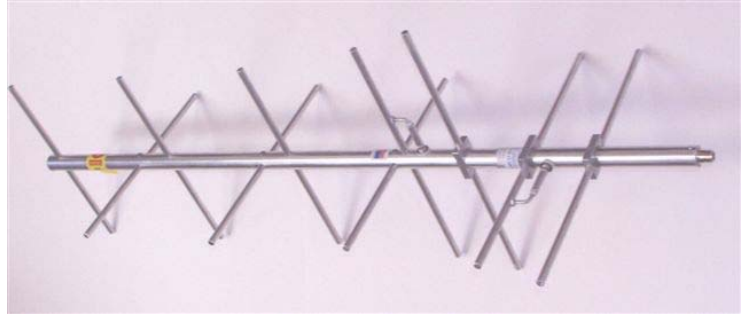


Microcom Design, Inc.

Model SAM-YAGI

UHF Satellite Antenna

P/N: AT-112-Y



Description

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:	402.0 MHz to 403.0 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 +55° C
Operating Relative Humidity:	0-100 % RH
Weight:	5 lbs.
Size:	44 inches and is crossed dipoles are 1/2 wave length or about 15 inches for a total enclosed volume of 6 cubic feet
Operating Rain Rate:	100 mm/Hr and water proof

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