

3-ELEMENT DUAL-POLARIZED YAGUDA ANTENNA

GENERAL DESCRIPTION

Yagi-Uda Antennas are used for directional long distance VHF and UHF radio communication and low baud rate data transfer. Antenna could be tuned for different frequencies and gains.

Electrical

Frequency Range	400 MHz to 430 MHz
Gain	6 dBi
Polarization	Circular or Dual-Pol
3-dB Beamwidth	62° Az, 52° El
Impedance	50 Ohm
Power Handling	1 KWatt
Connectors	SMA/N-type

Mechanical

Material	6061 Aluminum Alloy
Surface Finish	Anodized
Dimension (mm)	470 x 340 x 340
Weight (g)	380

Operating Conditions

Temperature	-40°C to +85°C
Humidity	%95 R.H.
Altitude	50000 ft

Storage Conditions

Temperature	-40°C to +85°C
Humidity	%95 R.H.
Altitude	50000 ft

Environmental Test Standards

Mechanical	MIL-STD-810G
EMI/EMC	MIL-STD-461F

