



Features

- Compliant with ITU-R S.586-6
- Modified Cassegrain Optics
- High G/T, Excellent pattern Characteristics
- Hot-dipped Galvanized steel ground mount assembly
- Motorization with manual control
- Ladder & Platform compliant to International Standard
- Hub Integration for SSPA/SSPB.

Options

- De-ice system
- Paint over galvanize
- Turnkey Installation & Test
- Integrated LNB and LNB system
- Monopulse mode coupler
- Monopulse tracking system
- CP/LP switchable feed.

A-Line Series 11m ANTENNA

Antenna Specifications

Electrical Specifications		
4-PORT 2Tx/2Rx Linear Pol feed	Ku-Band	
	Receive	Transmit
Frequency in GHz	10.95-12.75	13.75-14.5
Gain	60.48 + 20 log (f/14.0) dBi	61.77 + 20 log (f/14.0) dBi
First Sidelobe	-14dB	
Antenna Noise Temp.		
10°Elevation	70°K	
20°Elevation	65°K	
30°Elevation	62°K	
Polarization	VLH/HLP	
Feed Isolation:		
Tx/Rx	≥ 80 dB	
Rx/Tx	≥ 80 dB	
Tx/Tx	≥ 35 dB	
Rx/Rx	≥ 35 dB	
Cross Pol. Isolation	> 35dB	

Mechanical Specifications	
Antenna Type	Modified Cassegrain
Antenna Diameter	11.0 m
Main Reflector Accuracy	≤ 0.5 rms
Sub Reflector Accuracy	≤ 0.15 rms
Mount Type	Limit Motion Antenna
Main Axis drive	Jackscrew Drive in AZ/EL
Drive Range - AZ	180° (2 sections, 100° continue)
EL	0° – 90°
Drive Speed - AZ	0.06°/s max
EL	0.06°/s max
Tracking Accuracy	0.017° rms (Steptrack)
Physical	
Temperature	-40°C to 50°C
Relative Humidity	0% to 100%
Rain	100 mm/h
Wind Speed	
Steady Wind	13m/s, gust to 20m/s (Normal Operation)
Steady Wind	20m/s, gust to 27m/s (Degraded)
Survival Wind	50m/s peak gust (Any Position)
Survival Wind	56m/s peak gust (Stowed at zenith)
Design Life	> 15 years

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Ref.: PB-AW-ALINE-11m-002-16179