



## ELECTRICAL CHARACTERISTICS

<b>Frequency Range</b>	Reception: 10.700 a 12.750 GHz Transmission: 13.700 a 14.800 GHz
<b>Polarization</b>	Linear
<b>Gain</b>	Reception: 41.8 dBi (@ 12.00 GHz) Transmission: 43.3 dBi (@ 14.30 GHz)
<b>Halfwave Beamwidth</b>	Reception: 1.5° (@ 12.00 GHz) Transmission: 1.2° (@ 14.30 GHz)
<b>Noise Temperature</b>	20° Elevation: 34 K (@ 12.00 GHz) 40° Elevation: 31 K (@ 12.00 GHz) 60° Elevation: 32 K (@ 12.00 GHz)
<b>G/T Typical, 20° elevation at clear Sky</b>	Ku Band LNA, 70 K: 21.5 dB/K (@12.00 GHz)
<b>Radiation Pattern Envelope</b>	Anatel Resolution 572 FCC regulation 25.209 ITU-RS580
<b>Cross Polarization Discrimination</b>	30 dB
<b>Axial Ration</b>	Reception: Non-applicable Transmission: Non-applicable
<b>VSWR (Return Loss)</b>	Reception: 1.3 (17.7 dB) Transmission: 1.3 (17.7 dB)
<b>Port to Port Isolation</b>	TX/RX (TX Band): 40 (80 with filter)
<b>Feed Insertion Loss</b>	Reception: 0.25 dB Transmission: 0.15 dB
<b>Feed Termination (flange)</b>	Reception: WR 75 Flat Transmission: WR 75 Flat
<b>Power Handling</b>	500 W

## MECHANICAL CHARACTERISTICS

<b>Diameter</b>	1.2 m
<b>Antenna Geometry</b>	Off-set
<b>Motion</b>	Elevation over azimuth
<b>Motion Adjustment</b>	Azimuth: ± 180° Elevation: 0 a 90° Polarization: Continuous
<b>Weight</b>	Net: 35 kg Gross: 43 kg
<b>Packing</b>	Volume: 0.41 m3 Dimension: 1.4 x 0.2 x 1.3 + 0.96 x 0.28 x 0.24 m
<b>Reflector Material</b>	Galvanized Steel
<b>Mount Material</b>	Steel
<b>Finishing</b>	Reflector: Powder Coating Mount: Hot dip galvanization
<b>Surface Precision</b>	0.5 mm (rms)

## ENVIRONMENTAL CHARACTERISTICS

<b>Operational Wind</b>	70 km/h
<b>Survival Wind</b>	180 km/h
<b>Shock and Vibration</b>	Typical in sea, air and terrestrial shipments
<b>Atmosphere</b>	Found in seashore and industrial areas

Subject to changes without previous notice



## OPTIONALS

Non penetrating mounting  
Radio supports are available for severals manufactures  
Client logotype