



SOB107E-098

0,98 M RX / TX KU Band Ap. 30 Satcom Antenna.

ELECTRICAL CHARACTERISTICS

Frequency Range	Reception: 10,700 a 12,200 GHz Transmission: 12,750 a 14,500 GHz
Polarization	Linear, Crosspol
Gain	Reception: 39,7 dBi (@ 11,450 GHz) Transmission: 41,1 dBi (@ 13,625 GHz)
Halfwave Beamwidth	Reception: 1,9° (@ 11,450 GHz) Transmission: 1,6° (@ 13,625 GHz)
Noise Temperature	20° Elevation: 34 K (@ 11,450 GHz) 40° Elevation: 31 K (@ 11,450 GHz) 60° Elevation: 32 K (@ 11,450 GHz)
G/T Typical, 20° elevation at clear Sky	Ku Band LNA, 70 K: 19,5 dB/K (@ 11,450 GHz)
Radiation Pattern Envelope	Anatel Resolution 572 FCC regulation 25.209 ITU-RS580
Cross Polarization Discrimination	30 dB
Axial Ration	Reception: Non-applicable Transmission: Non-applicable
VSWR (Return Loss)	Reception: 1,3 (17,7 dB) Transmission: 1,3 (17,7 dB)
Chanel to Chanel Isolation	TX/RX (TX Band): 35 (75 with filter)
Feed Insertion Loss	Reception: 0,25 dB Transmission: 0,15 dB
Feed Termination (flange)	Reception: WR 75 Transmission: WR 75
Input Maximum Power	2000 W

MECHANICAL CHARACTERISTICS

Diameter	0,98 m
Antenna Geometry	Off-set
Motion	Elevation over azimuth
Motion Adjustment	Azimuth: ± 180° Elevation: 0 a 90° Polarization: Continuous
Weight	Net: 23 kg Gross: 30 kg
Packing	Volume: 0,27 m3 Dimension: 1,05 x 1,05 x 0,19 + 0,96 x 0,28 x 0,24 m
Reflector Material	Galvanized Steel
Mount Material	Steel
Finishing	Reflector: White painting Mount: Hot dip galvanization
Surface Precision	0,5 mm (rms)

ENVIRONMENTAL CHARACTERISTICS

Operational Wind	97 km/h
Survival Wind	180 km/h
Shock and Vibration	Typical in sea, air and terrestrial shipments
Atmosphere	Found in seashore and industrial areas

Subject to changes without previous notice

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OPTIONALS

- Ground or wall universal base mounting
- Non penetrating mounting
- Radio supports are available for severals manufactures

Client logotype