



GPS ANTENNA

MAUSHROM GPS ANTENNA





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Electrical Specifications

Prime power : +3.3 VDC (+/-10%) Power consumption: <30 mA maximum Gain : Up to 38 dB +/-3dB Output impedance: 50 ohms Frequency: 1575.42 MHz +/-3 MHz Polarization : Right-hand circular polarization (RHCP) Voltage standing wave ratio (VSWR): $\leq 2.0:1$ Axial ratio: <3 dB maximum Noise: 2.0 dB (typical) Bandwidth (10 dB RL): 25 MHz (min)

Out-of-band rejection: fo= 1575.42 MHz

fo +/-50 MHz: 30 dB typical

fo +/-100 MHz: 40 dB typical

Azimuth coverage : 360°(omnidirectional) Elevation coverage: 0° through 90 elevation (hemispherical)

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Environmental Specifications

Operating temperature: -40° C through +90 C
Storage temperature : -40° C through +90 C
Vibration: 10-200 Hz log sweep 3 g (sweeptime 30 minutes): 3 axes Shock : 50 g vertical, 30 g all axes
Humidity: +60° C 95% RH Corrosion: 5% salt spray
Waterproof: Immersion to 1 meter

Physical Specifications

Dimensions: (170mm) diameter × (130mm) high
Weight: (1.2kg)
Connector: TNC (3.3 VDC)
Mounting: 3/4 in, pipe thread or 1-14 in. thread
Parameter: Specification

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