

# Antenna Specifications

## Stellar Part Number: AT300-7

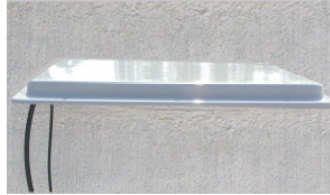


137...1575 MHz

### ORBMASTER 10x12

#### Low Profile Antenna

- This antenna is designed for the Orbcomm satellite tracking system.
- It is a low profile panel antenna, 3/4" (19 mm) high.
- Uses both horizontal and vertical polarizations.



Electrical Data	ORBCOMM		GPS
	Rx	Tx	
Frequency Range	137 – 138 MHz	148 – 150.5 MHz	1575 MHz
Nominal Gain	-5 dBi ( @ 5° elevation angle )		26 dBi
Recommended Ground plane	500 x 500 mm		-
VSWR	≤ 2:1 (Over Tx & Rx bands)		-
Radiation Pattern	Omni-directional		
Polarisation	Dual H&V		RHCP
Rated power	25 Watts		-
Noise figure	-		2 dB max.
Amplifier DC power	-		3 to 5 VDC on coax (+ve centre)
Current	-		22 mA max.
Impedance	50 Ohms		50 Ohms
Termination *	RG58		RG174

Mechanical Data	ORBMASTER
Material - cover	UV Stabilised ABS
Mounting	With bolts and nuts (not supplied)
Colour	Grey
Antenna Dimensions	300 mm x 260 x 19
Packaged weight	3 kg

\* Specify connectors and length of cables when ordering.

Patent Pending

Specification subject to change without notice. Issue 53



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