zenitel

DATASHEET



2200005002

OMNI-291 GSM/LTE Multiband Antenna

High performance linear marine coastal 450Mhz-2700Mhz Antenna, 10 meters cable

- Marine qualified High Performance Omni Directional Antenna
- UV and Saltwater protected against tempestuous weather conditions.

Description

- Omni-directional antenna purpose-built for marine and coastal applications
- UV and Salt-water resistant
- 10m cable with connectors and & bracket
- 450 - 470, 690 - 960 & 1710 - 2700 MHz LTE (4G) Antenna
- 2.4 - 2.5 Ghz band can be used as WiFi antenna
- Standard L-bracket for pole or wall mount included

The OMNI-291 is a unique new design with improved electrical performance and using a standard 1 inch marine mount. The ultra-wide band covers all LTE operating frequencies with excellent balanced gain across all frequencies. Higher frequencies are not compromised and the antenna design allows to have superior pattern control over the entire frequency range making the OMNI-291 a true high performance omni-directional antenna. Usable in all parts of the world, the OMNI-291 guarantees signal reception almost everywhere.

Versions with different cable length are available also.

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Specifications

GENERAL	
Frequency Bands	450-470MHz; 690-960MHz; 1710-2700MHz
Gain (Max)	7dBi
VSWR	< 2.5:1 over 90% of the band
Feed Power Handling	10 W
Input impedance	50 Ohm (nominal)
Polarisation	Linear Vertical
DC Short	Yes
Dimensions (L x W)	560 x 75mm
Weight	800 g
Radome Material	ABS (Halogen Free)
Radome Colour	Pantone - Cool Gray (1C) RAL-7047
Wind Survival	<160km/h
Temperature Range (Operating)	- 40°C to +70°C
Environmental Conditions	Outdoor/Indoor
Operating Relative Humidity	Up to 98%
Storage Humidity	5% to 95% - non condensing
Storage Temperature	-40°C to +70°C
Connector	N-Type Female (Silver/Nickel Plated)
Flammability rating:	UL 94-V1; EN 13823
Water Ingress Protection Ratio/Standard	IP67
Impact resistance	IK 08
Salt Spray	MIL-STD 810F/ASTM B117
Product Safety	Complies with UL, CE, EN, CSA and IEC standards

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VERSIONS

2200005002	OMNI-291-10m Antenna with 10M cable & bracket
2200004302	OMNI-291-20m Antenna with 20M cable & bracket
9011706016	OMNI-291-30m Antenna with 30M cable & bracket
9011706031	OMNI-291-40m Antenna with 40M cable & bracket
9011706017	OMNI-291-50m Antenna with 50M cable & bracket
9011706018	OMNI-291-60m Antenna with 60M cable & bracket
9011706019	OMNI-291-70m Antenna with 70M cable & bracket
9011706020	OMNI-291-75m Antenna with 75M cable & bracket

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