

CELmar0T

100056-P

Marine and Land Based VHF Stainless Steel Whip. Tx/Rx. 100 W
0 dBd. UHF female. Fc $\pm 3\%$ @ 141-179MHz. Packed in plastic

This is a stainless steel omnidirectional antenna for marine and land based solutions. It is an extremely flexible whip antenna. Suitable for rail and mast mounting. No mount included. Covers center frequency $\pm 3\%$ within the frequency range of 141-179MHz, cutting chart enclosed. The antenna is manufactured in premium quality materials in order to prevent galvanic corrosion. Radiating elements are made of copper. The antenna is manufactured using crimping technology giving the antenna a 4-5 times stronger build-up. The antenna has the same rugged design as all other AC Antennas products thus it withstand harsh environmental conditions, both on sea and land.

Short description

Product group	VHF
Design	Whip
Pattern	Omnidirectional

Electrical specifications

Frequency range [MHz]	A: 141-174* / B: 146-162.5 / C: 160-164
Bandwidth [MHz]	* Fc $\pm 3\%$ within 141-179
Nominal Impedance [Ohm]	50
Max. Input Power [Watt]	100
Gain [dBd/dBi/Marine dB]	0 / 2.15 / B: 3
VSWR	A: N/A B:<1.5:1 C:<1.8:1
Polarisation	Vertical
DC Shorted	No
DC Grounded	Yes
Connector	UHF-Female

Mechanical specifications

Length [m/ft]	1.21 / 4.00
Sections	1
Weight [kg/lbs]	0.15 / 0.33
Survival Wind Speed [km/h / m/s / mph]	200 / 55 / 124
Wind Area [m2/ft2]	0.0028 / 0.0302
Wind Load @ 160km/h [N]	4
Material	Stainless Steel
Colour	Steel grey
Operating Temperature Range [°C/°F]	-55 to +60 / -67 to +140
Ingress Protection	IP66
Thread	5/8"-24TPI male / -
Mounting	No mount included



