COMSYSTEMS® Solutions

VHF MAST RADOME ANTENNAS

Model CS-141xx

Follow table below

- radome with high thickness epoxy resin
- conical whip to reduce the wind impact
- resistant to 1 inch ice
- stainless steel bracket
- TETRA Service Frequency

LAND, PMR, TETRA

Model CS-	Frequency	gain	V irradiation	Antenna type	Max power	Lenght	Base*	radom dia	Weight	Load wind 150 km/h
14180	70-75 Mhz	2 dbi	78°	Dipole	100 W	2,70 mt	2	28 mm	2,430 kg	100 N
14181	75-80 Mhz	2 dbi	78°	Dipole	100 W	2,70 mt	2	28 mm	2,430 Kg	100 N
14182	118-136 Mhz	2 dbi	78°	Dipole	100 W	1,50 mt	1	21 mm	1,5 Kg	60 N
14183	136-144 Mhz	2 dbi	78°	Dipole	100 W	1,50 mt	1	21 mm	1,5 Kg	50 N
14184	145 - 162 Mhz	2 dbi	78°	Dipole	100 W	1,20 mt	1	21 mm	1,080 Kg	43 N
14185	155-175 Mhz	2 dbi	78°	Dipole	100 W	1,20 mt	1	21 mm	1,080 kg	43 N
14197	136-150 Mhz	5 dbi	30°	2 el. Collinear	200 W	2,70 mt	2	28 mm	2,430 Kg	120 N
14198	147-162 Mhz	5 dbi	30°	2 el. Collinear	200 W	2,50 mt	2	28 mm	2,4 Kg	120 N
14199	160-175 Mhz	5 dbi	30°	2 el. Collinear	200 W	2,30 mt	2	28 mm	2 Kg	120 N

MECHANICAL FEATURES

Length	see the table
Weight	see the table
Sections	1
Radome	epoxy fiberglass
Fitting	See the drawing
Brackets material	Aisi 316 stainless Steel
Structure	Epoxy fiberglass
Finishing	Polyurethane paint
Colour	White RAL 9000
	Grey RAL 7001
Irradiation element material	Brass
Working temperature	-35°C +80°C
Max wind resistance	150 Km/h
Base torsion force	see the table

ELECTRICAL FEATURES

Frequency	see the table
Antenna	see the table
S.W.R.	< 1,5
Impedance	50 Ohm
Gain	see the table
Power	see the table
Polarization	Vertical
Horizontal irradiation	360°
Vertical irradiation	see the table
Connector	N female
	option VHF PL female
Lightning protection	Yes
DC closed	Yes

ENVIRONMENTAL SPECIFICATION

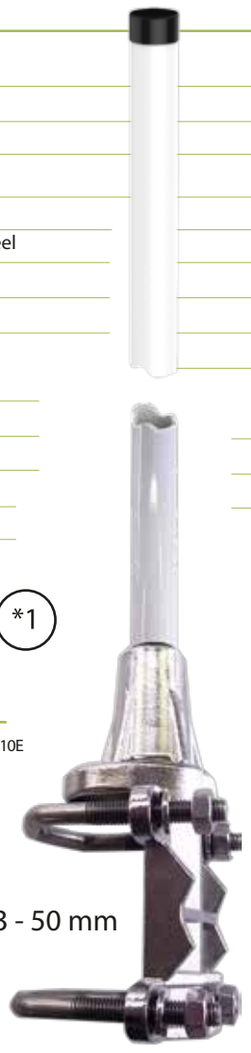
Temperature, salt, ice, sun irradiation resistance in accordance with MIL-STD 810E

Vibration resistance in accordance with MIL-STD 167-1

Shock resistance in accordance with MIL-STD 810E

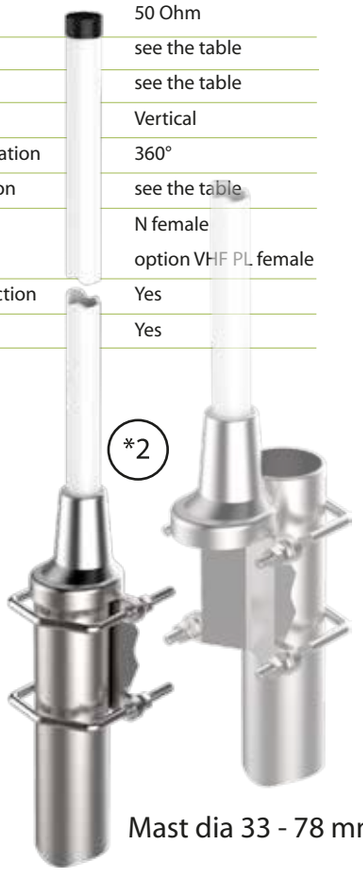
Treatments and paintings in accordance with MIL-T-704K

*1



Mast dia 33 - 50 mm

*2



Mast dia 33 - 78 mm