



# VERTICAL DIPOLE

## UHF 400-470 MHz MAST BRACKET 0 DB GAIN

CODE ..... 14077

### MECHANICAL FEATURES

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Length .....                       | 0,7 mt                               |
| Weight .....                       | 4 Kg                                 |
| Sections .....                     | 1                                    |
| Bottom diameter .....              | 28 mm                                |
| Fitting .....                      | See the drawing                      |
| Brackets material .....            | Anticorodal 100                      |
| Bracket treatment .....            | Alodine 1200                         |
| Structure .....                    | Epoxy fiberglass                     |
| Finishing .....                    | Polyurethane paint                   |
| Colour .....                       | White RAL 9000                       |
| .....                              | Grey RAL 7001                        |
| Irradiation element material ..... | Brass                                |
| Ferrule material .....             | Brass                                |
| Chromium plating .....             | 20µm copper, 20µm nickel, 5µm chrome |
| Working temperature .....          | -35°C +80°C                          |
| Max wind resistance .....          | 150 Km/h                             |
| Base torsion force .....           | 20 N at max wind speed               |

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

### ELECTRICAL FEATURES

|                               |                          |
|-------------------------------|--------------------------|
| Frequency .....               | 400 - 470 Mhz            |
| Antenna .....                 | Coaxial dipole           |
| Bandwidth at s.w.r.<1,5 ..... | 70 Mhz                   |
| S.W.R. ....                   | See diagram              |
| Impedance .....               | 50 Ω                     |
| Gain .....                    | 0 db on half wave dipole |
| Power .....                   | 50 W                     |
| Polarization .....            | Vertical                 |
| Horizontal irradiation .....  | 360°                     |
| Vertical irradiation .....    | 45°                      |
| Connector .....               | N female                 |
| Lightning protection .....    | Yes                      |
| DC closed .....               | Yes                      |

