



## VHF BAND FM ANTENNA AR FM TD02

### *Vertical Dipole Omnidirectional FM Broadcast Antenna*

WORKING BAND: 87.5 ÷ 108 MHz

POLARIZATION: Vertical

IMPEDANCE: 50 Ohm unbalanced

HALF POWER BEAMWIDTH:

E-Plane - 69°

H-Plane - 178°

Omnidirectional pattern with preferred direction.

Suitable for medium and high power

Lightning resistance is assured by the DC ground potential of the entire antenna.

Gain (at mid band, ref. to  $\lambda/2$  dipole) 2.15 dBd

VSWR (in the whole band) < 1.3 :1

MATERIALS: Body and bolts in hot dip galvanized steel

teflon isolators, silicon O-Rings, aluminum internal lines

MOUNTING: directly on supporting structure

MOUNTING BRACKETS: included for  $\varnothing$  60÷114mm. pipe

TREATMENTS: hot dip galvanized steel,

WIND SURFACE: 0.07 m<sup>2</sup> front 0.12 m<sup>2</sup> side

WIND LOAD (at 160Km/h and 30° C air temperature):

5.58 Kg front - 9.92 Kg side

SURVIVAL WIND: 220Km/h

Ice Load: 25mm max.

Dimensions (HxWxD):

1380x830x150 mm

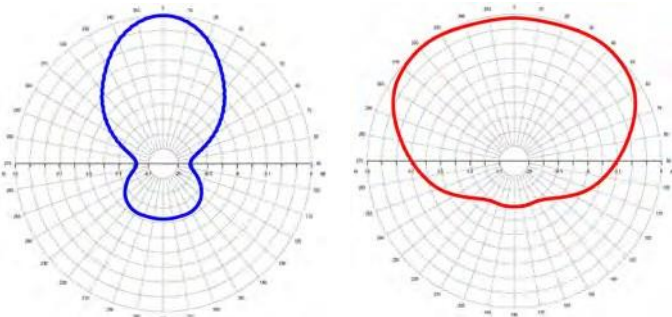
Weight: 13.2Kg



AR FM TD03 - EIA 7/8" flange - max 5000 W (sing. carr.)

AR FM TD02 - 7/16 female - max 3000 W (sing. carr.)

AR FM TD01 - N female - max 800 W (sing. carr.)



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