

BALCONY series CB & 10m

DESCRIPTION

1/4 wave Ground plane Boomerang antennas working on 27MHz and 10m HAM band. Particularly suitable for balcony installation where reduced dimensions are required. They are made of high quality materials and supplied with a very strong die-cast zamac mount. Available in 2 versions: **Balcony 27A** whose main whip is completely made of anti-corodal aluminium tubes and **Balcony 27W** whose whip is made of tapered glass fibre rod with a inside helical winding to reduce the length and guaranteeing a good performance. Both models have a loaded glass fibre radial.

TECHNICAL DATA

Electrical Data

Type: : 1/4 λ Ground Plane Boomerang
Frequency range : 27-28.5 MHz
Impedance : 50 Ω
Radiation (H-plane) : 360° omnidirectional
Polarization : Vertical
Gain: : 0 dBd, 2.15 dBi
Bandwidth at S.W.R. 2:1
BALCONY 27 A : 780 KHz
BALCONY 27 W : 700 KHz
S.W.R. at res. freq. : $\leq 1.2:1$
Max Power:
BALCONY 27 A : 200 Watts (CW) continuous
600 Watts (CW) short time
BALCONY 27 W : 150 Watts (CW) continuous
450 Watts (CW) short time
Feed system / position: Direct / Centre
Connector : UHF-female

Mechanical Data

Materials
BALCONY 27 A : Aluminium, Glass fibre, Steel, Copper, Nylon
BALCONY 27 W : Glass fibre, Steel, Copper, Nylon
Wind resistance : 140 Km/h
Radiator / Radial Length
BALCONY 27 A : 2750 mm / 1130 mm
BALCONY 27 W : 1720 mm / 1130 mm
Weigth (approx.)
BALCONY 27 A : 720 gr
BALCONY 27 W : 630 gr
Mounting : With Bracket supplied

INSTALLAZIONE

Montare l'antenna in posizione definitiva sulla ringhiera, parapetto o altra struttura mediante la staffa fornita. Evitare, se possibile, posizioni troppo addossate a muri o ad oggetti metallici quali altre ringhiere o serramenti metallici.

TARATURA

L'antenna viene fornita pretarata a 27 MHz. In alcuni casi può rendersi necessario una ulteriore taratura per il centro banda CB CH19=27.185 MHz. Mediante l'ausilio di un ROS-metro tagliare il solo radiale **A** 5mm alla volta fino a centratura avvenuta.

INSTALLATION

Install your antenna in the chosen position (railing, parapet or other structure) by using the enclosed bracket. It's recommended to mount it not too closed to the wall or to metallic parts to get the best performance and avoid interferences.

TUNING

Balcony are pretuned at 27 MHz. In case of fine tuning for the CB center band CH19=27.185 MHz we recommend to use a SWR-meter and cut only the radial **A** of 5mm up to the required frequency.

