



OMNIDIRECTIONAL TV/FM AERIAL TVBR9

Application:

The TVBR9 aerial can be used in small systems with 1 or 2 outlets or in large Elcon Common Aerial System.

Description:

The TVBR9 is an omni-directional aerial for TV and FM (40-860 MHz.).

The total frequency range is split up in a number of bands. Each covered by an aerial element.

The amplifier has a low-noise factor and an unusual high undistorted output voltage (120 dBuV at 60 dB cross-modulation, 3 carrier method B) securing not only distance reception but also distortion-free operation in ports with numerous powerful transmitters.

The amplifier is protected against static charge and powered via the coaxial cable.

To ensure a high mechanical stability and to withstand the rough weather at sea, the antenna has been constructed in a round shell of fiberglass and armed polyester, which has been filled up with polyurethane foam. This makes the antenna especially suitable for marine purpose.

Technical data:

Frequency range:	40 – 862 MHz.
Amplifier gain:	35 dB.
Noise factor:	3kTo.
Output impedance:	75 ohm.
Max. Output level:	120 dBuV.
(2 signals-60 dB X-Mod)	
Supply voltage:	15 Vdc to 24 Vdc.
Current consumption:	approx. 50 mA.
W x H / Weight:	Dia. 550 mm. x 430 mm./ 8 kg.
Antenna mast:	38 – 50 mm.

A separate power supply 220 Vac. could be delivered.

The antenna is delivered with 10mtr. Coaxial cable, as a standard.