

**NiCOM**  
**BKY3/P**

**Medium Power**

**Portable**

**Broadband FM**

**Directional Antenna**

**Antena Portátil Direccional  
de FM Banda Ancha**

This broadband dipole antenna constructed of stainless steel is designed to last a long time in any weather condition. Because of its sturdy construction it can support up to 2.5 kw of input power with the appropriate connector. Since it has a wide angle of radiation it is strongly recommended for omnidirectional arrays. Due to the fact that it is easily disassembled and reassembled, it can be placed in a compact container making it very portable and inexpensive to ship.

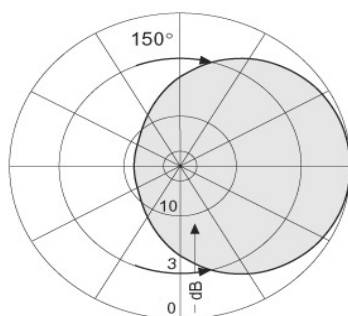
Esta antena dipolo de banda ancha, fabricada de acero inoxidable fue concebida para ser duradera en cualquier condición de clima. Debido a su robusta construcción puede soportar hasta 2.5kw de potencia de entrada con el conector apropiado. Esta antena es recomendada para formaciones omnidireccionales ya que tiene un gran ángulo de irradiación. Dado al hecho que es fácil de armar y desarmar esta antena puede ser enviada en un contenedor muy compacto rendiéndola portátil y económica para envíos.

### TECHNICAL SPECIFICATIONS

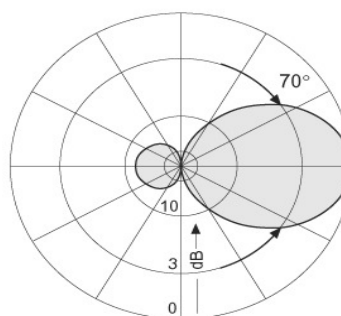
**Antenna type** 3 element directional antenna  
**Frequency range** 87.5 - 108 MHz  
**Bandwidth** 20 MHz  
**Impedance** 50 Ohms  
**Connectors** N type (1 kw) - EIA 7/8 (2.5 kw)  
**Power rating** 2500 Watts max.  
**VSWR** < 1.2 max.  
**Polarization** vertical or horizontal  
**Gain** 4.5 dB (referred to half-wave dipole)  
**H plane** 150 degrees  
**V plane** 70 degrees

**Front-to-back ratio** 18 dB  
**Lightning protection** all parts grounded  
**Max wind velocity** 130 mph (208 km/h)  
**Wind load** 48.4 Lbs (22 kg)  
**Wind surface** 2.0 ft<sup>2</sup> (0.19 m<sup>2</sup>)  
**Materials (external)** stainless steel  
**Mounting** from 2" to 4"  
**Weight** 20 Lbs (9 kg)  
**Dimensions** 50"×72"×3" (1250×1800×60mm)  
**Packing** 53"×19"×4" (1300×480×100mm)

### Radiation Patterns (at mid-band)



in H-plane  
Horizontal Radiation Pattern



in E-plane  
Vertical Radiation Pattern