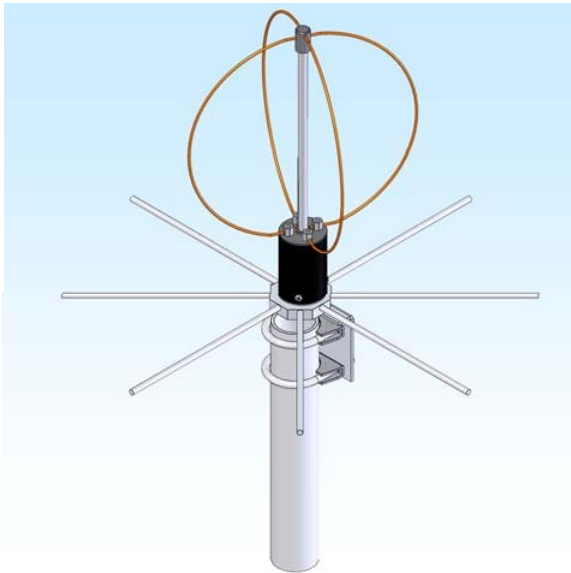


Circular Omni Antenna 400 to 470 MHz

Type TOC-500/RK70, UHF-Band



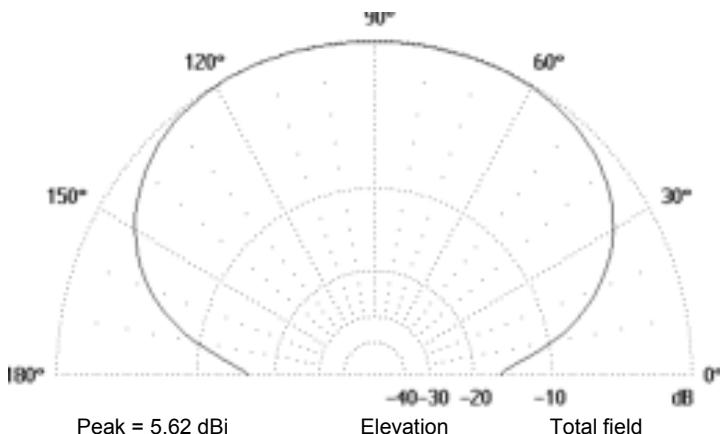
SPECIFICATIONS:

| | |
|--------------------------------|---|
| Model | TOC-500/RK70 |
| Frequency Range | 400 To 470 MHz |
| Gain, Overhead 90 | 5.5 dBic Typical |
| Impedance | 50 OHMS |
| VSWR | < 2.0:1 |
| VSWR | 1.5:1 @ 420– 450 MHz |
| Pattern | Omni Directional |
| Polarity | RH Circular Overhead |
| Polarity | Horizontal @ Horizon |
| Power Handling | 500W Max |
| Mounting | 3.8 to 5.1 cm Nom. |
| Connector | “N” Female |
| Size | 35 cm H x 50 cm Diam. including reflectors |
| Wind Survival | 160 kmh |
| Weight | 600 g |
| Weight with mounting kit | 910 g |

FEATURES:

The TOC-500 circular antenna (eggbeater design) offers exciting new performance characteristics for both fixed and mobile operations. The circular antenna produces smooth Omni directional HORIZONTAL polarity at the horizon. Above the horizon, the pattern transforms to RIGHT HAND CIRCULAR, making it a natural for e. g. telemetry applications or OSCAR satellite use. By spacing the circular antenna 1/8 wave above a metal surface or the RK-70 for base installations, the circular lobe increases by 6 dB, producing a hemispherical pattern. No rotation or steering is required. For terrestrial mobile, base, net control, contest or field day operation, increasing the distance above ground or over a metallic surface improves the horizontal radiation by up to 6 db. This produces instantaneous communications in all directions. Hams with little room or budget for larger antennas will experience a new standard of performance with the TOC-500/RK70.

The antenna will be delivered as complete set with mast mounting accessories and installation manual.



Circular Omni antenna