

DIRU-160/12D

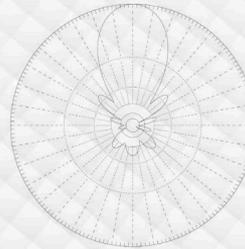
UHF DIRECTIONAL ANTENNA YAGI WITH 12 ELEMENTS

High-gain YAGI-type directional antenna, made of special aluminum alloy, with excellent mechanical strength and high electrical conductivity.

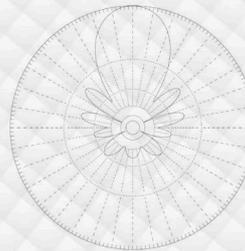
The antenna was designed to prevent the buildup of electrostatic charges on the coaxial cable.

This feature provides greater protection for the equipment and reduces noise levels, allowing for optimal reception of distant signals.

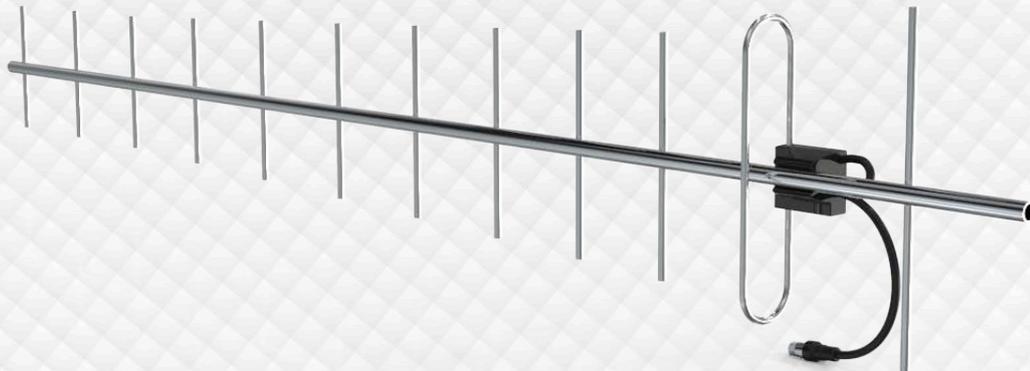
In addition to being lightweight and easy to install, it requires no field adjustments to keep its VSWR below 1.5:1 across the entire operating frequency range.



Horizontal polarization



Vertical polarization



| Partnumber | Model | Range |
|------------|--------------|---------------|
| 504099 | DIRU-160/12D | 360 / 380 MHz |

| ELECTRICAL SPECIFICATIONS | |
|----------------------------------|------------------------|
| VSWR | $\leq 1,5 : 1$ |
| Polarization | Vertical / Horizontal |
| Nominal impedance | 50 Ω |
| Maximum power | 200 Watts |
| Revenue | 16 dBi |
| Coast-to-waterfront relationship | ≥ 20 dB |
| 1/2 power angle | Horizontal 370 MHz 38° |
| 1/2 power angle | Vertical 370 MHz 36° |
| Connector | N female |
| Lightning protection | Grounded elements |

| MECHANICAL SPECIFICATIONS | |
|---------------------------|-----------------------|
| Broad | 405 mm |
| Weight | 1,633 Kg |
| Total length | 2318 mm |
| Fixing | 35 mm metal tube |
| Wind exposure area | 0,2657 m ² |
| Basic material | Aluminum |
| Operating wind | ≥ 110 Km/h |
| Wind of survival | ≥ 200 Km/h |