

# YAGI ARRAY

## ANTENNA WITH 4 YAGIS UHF DISPOSED ORTHOGONALLY

Combined antenna system ("Antenna Array") composed of four orthogonal antennas, of the yagi type, vertically polarized.

Careful selection of antenna gain and aperture angle resulted in an omnidirectional radiation pattern with superior gain characteristics and low radiation angle.

The antenna array is kept in phase and perfectly balanced by the system's integrated impedance matcher.

With a small volume, simple installation, and high performance, the product is especially suitable for high-performance systems for data and voice communication.

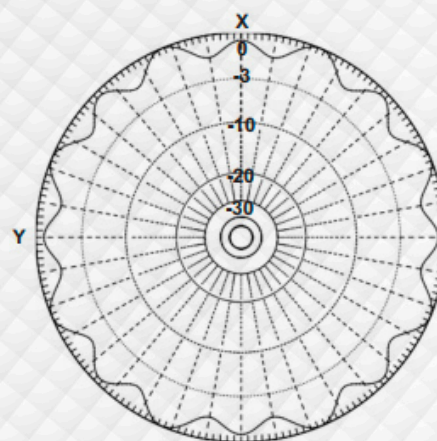


| Partnumber | Model         | Range         |
|------------|---------------|---------------|
| 504109     | DIRU-110/28DU | 406 / 440 MHz |

| ELECTRICAL SPECIFICATIONS |                   |
|---------------------------|-------------------|
| VSWR                      | $\leq 1,5 : 1$    |
| Polarization              | Vertical          |
| Nominal impedance         | 50 $\Omega$       |
| Maximum Power             | 300 Watts         |
| Gain                      | 7,15 dBi          |
| Connector                 | N female          |
| Protection                | Grounded elements |

| MECHANICAL SPECIFICATIONS |                               |
|---------------------------|-------------------------------|
| Finishing                 | Polished aluminum             |
| Fixation                  | Metal tube $\varnothing$ 51mm |
| Withstands winds of up to | 180 Km/h                      |
| Basic material            | Aluminum                      |

Horizontal diagram



Vertical diagram

