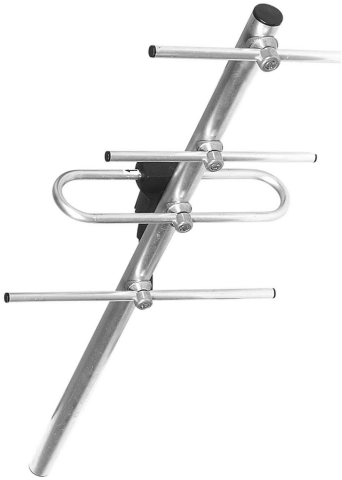


4 element Yagi antenna 380 - 430 MHz

DESCRIPTION

- A 4-element UHF Yagi antenna for PMR/Trunked Radio and Telemetry.
- Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.
- Former Skymasts brand product.



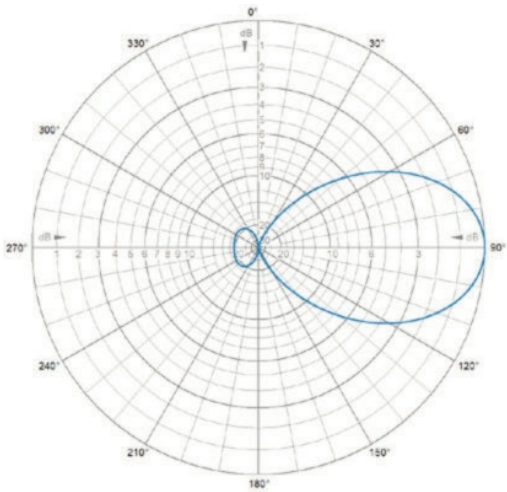
SPECIFICATIONS

| Electrical                 |                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------|
| Model                      | S.4Y-405                                                                                             |
| Frequency                  | 380 - 430 MHz                                                                                        |
| Max. Input Power           | 150 W                                                                                                |
| Polarisation               | Linear (Vertical or Horizontal)                                                                      |
| 3 dB Beamwidth, E-Plane    | 57 °                                                                                                 |
| 3 dB Beamwidth, H-Plane    | 74 °                                                                                                 |
| Impedance                  | 50 Ω                                                                                                 |
| Gain                       | 7 dBd (9.2 dBi)                                                                                      |
| VSWR                       | < 1.5:1                                                                                              |
| Front-To-Back Ratio        | > 15 dB                                                                                              |
| Antistatic Protection      | All metal parts DC-grounded (Connector shows a DC-short)                                             |
| Mechanical                 |                                                                                                      |
| Connection(s)              | N(f) on 3m RG213/U cable                                                                             |
| Materials                  | Boom, 32 mm dia. aluminium elements, 12.7 mm dia. aluminium balun, fully moulded enclosure           |
| Length                     | Approx. 1000 mm / 39.37 in.                                                                          |
| Wind Load                  | 82 N (160 km/h)                                                                                      |
| Weight                     | Approx. 1.6 kg / 3.53 lb.                                                                            |
| Mounting Bracket           | 3202078/68 + 3201079/00 (Ordered Separately)                                                         |
| Balun Encapsulant          | Polyurethane Resin U-600                                                                             |
| Alternate Mounting Bracket | 0900912/00, 0302032/68, or 0300064/00 + U-Bolts to match mounting pipe diameter (Ordered Separately) |
| Environmental              |                                                                                                      |
| Ingress Protection         | IP68                                                                                                 |

ORDERING

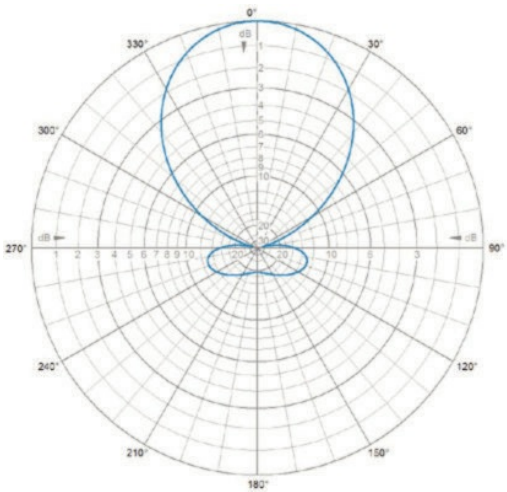
| Model                                         | Product No. | Frequency     |
|-----------------------------------------------|-------------|---------------|
| 4 element Yagi antenna                        | S.4Y-405    | 380 - 430 MHz |
| Accessories                                   |             |               |
| Galvanised steel crossover bracket 32/50 mm   | 0900912/00  |               |
| Pressed steel cross clamp 2" x 1-1/4" (JBL73) | 0302032/68  |               |
| Cast aluminium cross clamp, circular          | 0300064/00  |               |
| M8 x 50 mm (2") U-Bolts (1 Pair)              | 4884036/00  |               |
| M8 x 75 mm (3") U-Bolts (1 Pair)              | 4884076/00  |               |
| Fixed norstel / coupler clamp (cross clamp)   | 3202078/68  |               |
| Increasing sleeve                             | 3201079/00  |               |

RADIATION PATTERNS



E-Plane | 405 MHz

RADIATION PATTERNS



H-Plane | 405 MHz

