

6db colinear 890-930 MHz

DESCRIPTION

A rugged and durable UHF colinear antenna designed for Telemetry, Paging and PMR/Trunked Radio applications. Housed inside a high-strength glass fibre shroud, the antenna includes an integrated mounting clamp allowing easy installation on poles or horizontal rails. The robust antenna design ensures reliable operation in harsh environmental conditions.

- Former Jaybeam brand product.

SPECIFICATIONS

| Electrical              |                                                          |
|-------------------------|----------------------------------------------------------|
| Frequency               | 890 - 930 MHz                                            |
| Max. Input Power        | 150 W                                                    |
| Polarisation            | Vertical                                                 |
| 3 dB Beamwidth, E-Plane | 17 °                                                     |
| 3 dB Beamwidth, H-Plane | Omnidirectional                                          |
| Impedance               | 50 Ω                                                     |
| Gain                    | 5.7 dBD (7.9 dBi)                                        |
| VSWR                    | < 1.5:1                                                  |
| Antistatic Protection   | All metal parts DC-grounded (Connector shows a DC-short) |

| Mechanical    |                                                                        |
|---------------|------------------------------------------------------------------------|
| Connection(s) | N(f) on 500mm RG213/U cable                                            |
| Materials     | Base: Aluminium<br>Shroud: GRP tube                                    |
| Length        | 1280 mm / 50.39 in.                                                    |
| Wind Load     | 35 N (160km/h)                                                         |
| Weight        | 1.1 kg / 2.43 lb                                                       |
| Mounting      | Integral mounting clamp to fit 38 - 50 mm dia. pipe or horizontal rail |

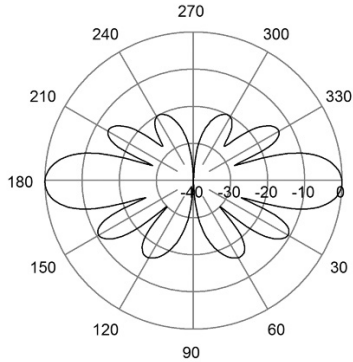
ORDERING

| Model                    | Product No. | Frequency     |
|--------------------------|-------------|---------------|
| 6db colinear 890-930 MHz | 7556910     | 890 - 930 MHz |



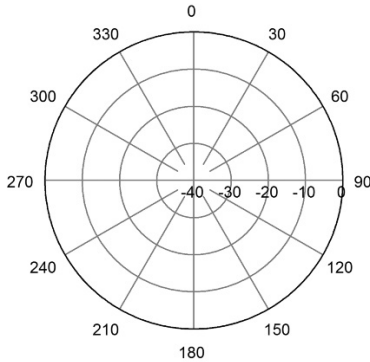
DIAGRAM

RADIATION PATTERNS



E-Plane | 910 MHz

RADIATION PATTERNS



H-Plane | 910 MHz