

Shrouded Yagi 880-960MHz

DESCRIPTION

A 24-element GSM Yagi antenna with High F/B ratio for fixed link and M2M applications. Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.

- Former Jaybeam brand product.



ORDERING

| Type                                        | Product No. | Frequency     |
|---------------------------------------------|-------------|---------------|
| Shrouded Yagi 880-960MHz                    | 7142900     | 880 - 960 MHz |
| Fixed norstel / coupler clamp (cross clamp) | 3202078/68  |               |
| Increasing sleeve                           | 3201079/00  |               |

SPECIFICATIONS

| Electrical                 |                                                |
|----------------------------|------------------------------------------------|
| Frequency                  | 880 - 960 MHz                                  |
| Max. Input Power           | 150 W                                          |
| Polarisation               | Linear (Vertical or Horizontal)                |
| 3 dB Beamwidth, E-Plane    | 24 °                                           |
| 3 dB Beamwidth, H-Plane    | 24 °                                           |
| Impedance                  | 50 Ω                                           |
| Gain                       | 16.5 dBi bottom of band; 18 dBi mid & top band |
| Port-Port Isolation        | ≥ 30dB                                         |
| VSWR                       | < 1.3:1                                        |
| Front-To-Back Ratio        | > 20 dB                                        |
| Cross Polar Discrimination | 20 dB                                          |
| In iBwave                  | Yes                                            |

| Mechanical               |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| Radiating Element(s)     | PCB skeleton slot and reflector mounted on aluminum cast rear disk |
| Elements                 | 3/8" aluminum rods grade 6082 T6, BS 1474                          |
| Connection(s)            | N(f)                                                               |
| Boom Material            | 1" x 10swg aluminum tube grade 6082-T6                             |
| Radome Material / Colour | ABS White                                                          |
| Length                   | 2650 mm / 104.33 in.                                               |
| Wind Load                | 250 N (160km/h)                                                    |
| Weight                   | 5 kg / 11.02 lb                                                    |
| Mounting Bracket         | 3202078/68 + 3201079/00 (Ordered Separately)                       |

