

### 8 element Yagi 769-896 MHz

#### DESCRIPTION

An 8-element UHF Yagi antenna for Cellular communications applications utilizing Jaybeam's "Parabeam" slot radiator feed design to achieve higher directivity than comparable models. Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.  
 \* Former Jaybeam brand product.

#### SPECIFICATIONS

| Electrical                 |   |
|----------------------------|---|
| Frequency                  | 769 - 896 MHz   |
| Max. Input Power           | 150 W   |
| Polarisation               | Linear (Vertical or Horizontal)   |
| 3 dB Beamwidth, E-Plane    | 48 °  |
| 3 dB Beamwidth, H-Plane    | 52 °  |
| Impedance                  | 50 Ω  |
| Gain                       | 10 dBd (12.2 dBi)   |
| VSWR                       | < 1.5:1   |
| Front-To-Back Ratio        | > 20 dB   |
| Antistatic Protection      | All metal parts DC-grounded (Connector shows a DC-short)  |
| Mechanical                 |   |
| Connection(s)              | N(f) on 1m RG213/U cable  |
| Materials                  | Boom, 25 mm dia., aluminium<br>Elements, 10 mm dia., aluminium<br>balun, 'Parabeam' slot radiator                       |
| Length                     | 1100 mm / 43.31 in.   |
| Wind Load                  | 57 N (160km/h)  |
| Weight                     | 1.8 kg / 3.97 lb  |
| Mounting Bracket           | 3202078/68 + 0900174/00<br>(Ordered Separately)   |
| Alternate Mounting Bracket | 0302063/68 to attach 25-50 mm diameter antenna mast or boom to 25-50 mm diameter mounting pipe.<br>(Ordered Separately) |

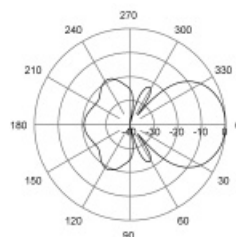
#### ORDERING

| Model                                       | Product No.  | Description         | Frequency     |
|---|--------------|---------------------|---------------|
| 8 element Yagi 769-896 MHz                  | 7175833      |                     | 769 - 896 MHz |
| 8 element Yagi 769-896 MHz                  | 7175833-716F | 7/16(f) termination | 769 - 896 MHz |
| Pressed steel cross clamp 25-50mm           | 0302063/68   |                     |               |
| Fixed norstel / coupler clamp (cross clamp) | 3202078/68   |                     |               |
| Increasing sleeve 1"-1-29/32"               | 0900174/00   |                     |               |



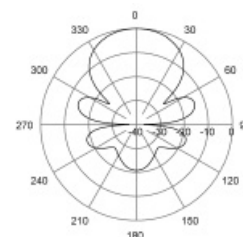
#### DIAGRAM

##### RADIATION PATTERNS



E-Plane | 832 MHz

##### RADIATION PATTERNS



H-Plane | 832 MHz