

## 7175890

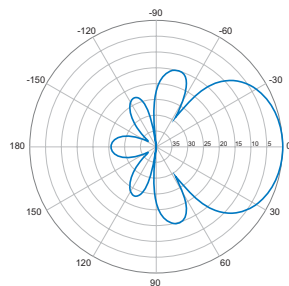
Linear, V-Pol or H-Pol | 8-Element Yagi | 52° | 10 dBd

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

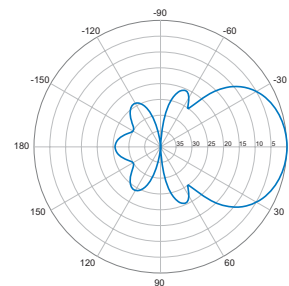


| Electrical Characteristics      |   |   |                    |
|---------------------------------|---|---|--------------------|
| Frequency band                  | 790-960 MHz   |   |                    |
| Bandwidth                       | ±5% (typical)   |   |                    |
| Polarization                    | Linear, Vertical, or Horizontal   |   |                    |
| Horizontal beamwidth            | 52°   |   |                    |
| Vertical beamwidth              | 48°   |   |                    |
| Gain                            | 10 dBd / 12.1 dBi   |   |                    |
| Impedance                       | 50Ω   |   |                    |
| VSWR                            | <1.5:1  |   |                    |
| Front-to-back ratio             | >20 dB  |   |                    |
| Maximum power                   | 150 W   |   |                    |
| Connector type                  | N-Female + 1m of RG213 cable  |   |                    |
| Lightning protection            | DC grounded   |   |                    |
| Mechanical Characteristics      |   |   |                    |
| Materials                       | Boom: 25 mm diameter, aluminium<br>Elements: 10 mm diameter, aluminium<br>Balun: 'Parabeam' slot radiator |   |                    |
| Dimensions (Length)             | 970 mm 38.2 in  |   |                    |
| Weight without bracket          | 1.7 kg 3.7 lbs  |   |                    |
| Wind load @ 160 km/hr (100 mph) | 55 N 12.4 lbf   |   |                    |
| Mounting Options                | Image   | Part Number/Description   | Fits Pipe Diameter |
| Mounting bracket                |   | 3202078/68 + 0900174/00<br>Fixed 90° Norstel with increasing sleeve (Use to increase antenna boom or mast diameter from 25-48.3 mm. | 48 mm (1.9 in)     |
| Alternate mounting bracket      |   | 0302063/68<br>Use to attach 25-50 mm diameter antenna mast or boom to 25-50 mm diameter mounting pipe.                              | 25-50 mm (1-2 in)  |

Please order Mounting Bracket separately.



Horizontal



Vertical

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.