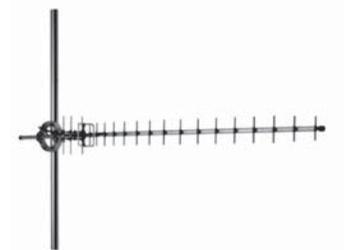


## 7176xxx

Single Band | 18-Element Yagi Antenna | V-Pol or H-Pol | 25° | 14.4 dBd

- 18-element UHF Yagi antenna for broadcast, TETRA, and cellular communication applications
- Utilizes Amphenol's "Parabeam" slot radiator feed design
- Achieves higher directivity than comparable models
- The robust antenna design insures reliable operation in harsh environmental conditions
- Produced to the highest quality standards



### Ordering Options

Replace "xxx" with desired model number option

Frequency Range*	Model Number
471-523 MHz	<a href="#">7176500</a>
505-581 MHz	<a href="#">7176550</a>
550-610 MHz	<a href="#">7176580</a>
600-685 MHz	<a href="#">7176648</a>
630-700 MHz	<a href="#">7176665</a>
640-711 MHz	<a href="#">7176680</a>
720-790 MHz	<a href="#">7176755</a>
740-835 MHz	<a href="#">7176810</a>
820-900 MHz	<a href="#">7176870</a>
870-960 MHz	<a href="#">7176890</a>

Mounting bracket kits and other accessories are ordered separately.

### Electrical Characteristics

Frequency Bands (MHz)	470...960 MHz
Bandwidth (typical)	±5%
Polarization	Vertical or Horizontal
Horizontal Beamwidth	25°
Vertical Beamwidth	23°
Gain	14.4 dBd
Impedance	50Ω
VSWR	< 1.5:1
Front-to-Back Ratio	> 20 dB
Maximum Input Power	150 W
Number of Connectors, Type	1 Connector / N Female with 3m (9.8 feet) of RG213 cable
Lightning Protection	Direct Ground

### Mechanical Characteristics

Materials	Boom	Aluminium; 25 mm diameter	
	Elements	Aluminium; 10 mm diameter	
	Balun	'Parabeam' slot radiator	
700 MHz	Dimensions (Length)	2500 mm	98.4 in
	Weight without Mounting Brackets	3.3 kg	7.3 lbs
	Wind Loads (160 km/hr or 100 mph)	171 N	38.4 lbf

### Mechanical Characteristics

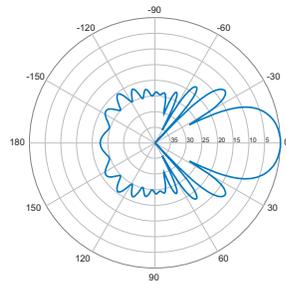
Mounting Bracket	3202078/68 + 0900174/00
Alternate Mounting Brackets	3202063/68 + 0900174/00
	3202032/68 + 0900174/00

\*Other Frequencies available upon request

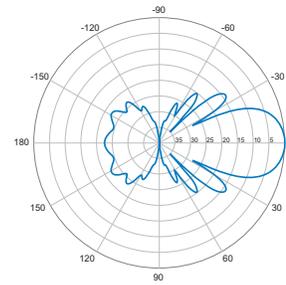
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage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

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Horizontal



Vertical