

WPA-70090-6CF-EDIN-X

Single Band | Panel Antenna | V-Pol | 90° | 15.1 dBi | Fixed Tilt

- Single band, panel antenna with fixed electrical tilt


Ordering Options			
When ordering, replace the "X" in the model number with the electrical downtilt. Select from the options listed in the Electrical Downtilt section below.			
Electrical Characteristics		696-960 MHz	
Frequency Bands		696-806 MHz	806-960 MHz
Polarization		Vertical	
Horizontal Beamwidth		92°	90°
Vertical Beamwidth		12°	10°
Gain		14.6 dBi	15.1 dBi
Electrical Downtilt		(X) 0, 2	
Impedance		50Ω	
IM3 (2x20W carrier)		-147 dBc	
Upper Sidelobe Suppression (0°)		-19.4 dB	-17.1 dB
Front-to-Back Ratio (±30°)		-23.8 dB	-23.5 dB
VSWR		1.5:1	
Null Fill		5% (-26.02 dB)	
Input Power		500 W	
Total Number of Connectors		Antenna has 1 connector located on the center (back) of the antenna	
Connectors Per Band	696-960 MHz	1 Connector, Elongated 7/16-DIN Female (EDIN)	
Lightning Protection		Direct Ground	
Mechanical Characteristics			
Dimensions (Length x Width x Depth)		1806 x 204 x 151 mm	71.1 x 8.0 x 5.9 in
Depth with z-brackets		191 mm	7.5 in
Weight without Mounting Brackets		8.2 kg	18 lbs
Wind Area	Front	0.37 m²	4.0 ft²
	Side	0.27 m²	2.9 ft²
Survival Wind Speed		> 201 km/hr	> 125 mph
Wind Load (161 km/hr or 100 mph)	Front	542 N	122 lbf
	Side	483 N	109 lbf



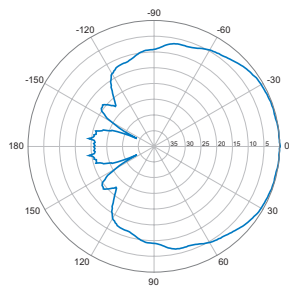
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage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

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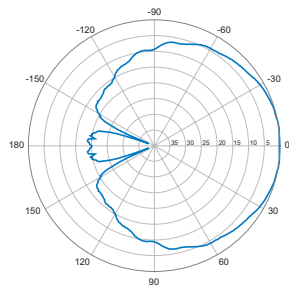
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Mounting Options	Part Number	Image	Fits Pipe Diameter	Weight
All mounting bracket kits are ordered separately unless otherwise indicated. Select from the options listed below.				
3-Point Mounting and Downtilt Bracket Kit	21700000		50-102 mm 2.0-4.0 in	8.2 kg 18.1 lbs
Lock-Down Brace	If the lock-down brace is used, the maximum diameter of the mounting pipe is 88.9 mm or 3.5 in.			

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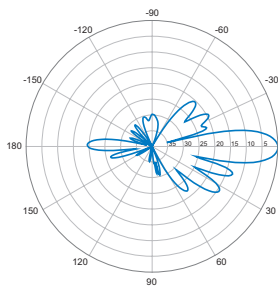


Horizontal | 750 MHz

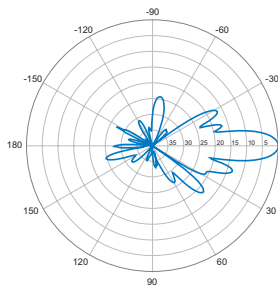


Horizontal | 850 MHz

WPA-70090-6CF-EDIN-0

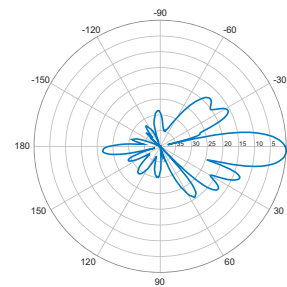


0° | Vertical | 750 MHz

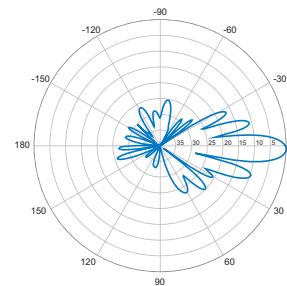


0° | Vertical | 850 MHz

WPA-70090-6CF-EDIN-2



2° | Vertical | 750 MHz



2° | Vertical | 850 MHz

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