

5874400

Tri Band | Panel Antenna | XXX-Pol | 70° / 65° / 65° | 12.3 / 12.4 / 12.4 dBi | Fixed Tilt

- Tri band, XXX-Pol, fixed tilt, panel antenna with 6 connectors
- Fixed electrical tilt on each band 0°/0°/0°
- Slimline profile for low wind load



Electrical Characteristics		790-960 MHz		(2x) 1710-2690 MHz		
Frequency Bands (MHz)		790-880	880-960	1710-1880	1920-2170	2200-2690
Polarization		±45°		(2x) ±45°		
Horizontal Beamwidth		70°	65°	65°	61°	62°
Vertical Beamwidth		24.3°	22.8°	24.3°	21.0°	19.7°
Gain		12.1 dBi	12.3 dBi	11.5 dBi	12.3 dBi	12.4 dBi
Electrical Downtilt		0°		0°		
Impedance		50Ω		50Ω		
VSWR		< 1.5		< 1.5		
Front-to-Back Ratio		> 30 dB		> 30 dB		
Isolation Between Ports		> 27 dB		> 27 dB		
Isolation Between Bands (typical)		35 dB		35 dB		
Upper Sidelobe Suppression (typical)		18 dB		18 dB		
IM3 (2x20W carrier)		< -153 dBc (-110 dBm)		< -153 dBc (-110 dBm)		
Input Power		500 W		300 W		
Total Number of Connectors		Antenna has 6 connectors located at the bottom				
Connectors Per Band, Type	790-960 MHz	2 Connectors / 7/16-DIN Female / Long Neck / Red Rings				
	1710-2690 MHz	2 Connectors / 7/16-DIN Female / Ultra Long Neck / Yellow Rings				
	1710-2690 MHz	2 Connectors / 7/16-DIN Female / Long Neck / Orange Rings				


Environmental Characteristics	
Operating Temperature	-40° to +60° C (-40° to +140° F)
Environmental	ETS 300 019
RoHS Compliant	Yes


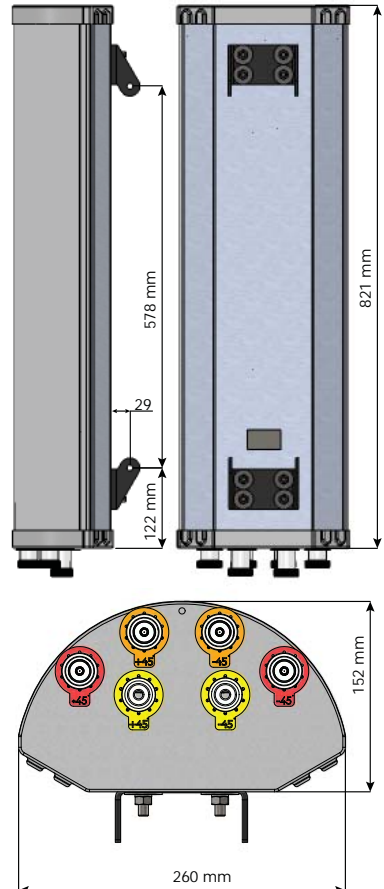
Mechanical Characteristics			
Shroud Material / Colour	Outdoor Plastic / Grey RAL7035		
Dimensions (Length x Width x Depth)	821 x 260 x 152 mm 32.3 x 10.2 x 6.0 in		
Weight without Mounting Brackets	6.8 kg 15.0 lbs		
Operational Wind Speed	160 km/hr 100 mph		
Survival Wind Speed	200 km/hr 125 mph		
Wind loads (160 km/hr or 100 mph)	Front	154 N	35 lbf
	Lateral	141 N	32 lbf
	Rear	269 N	60 lbf

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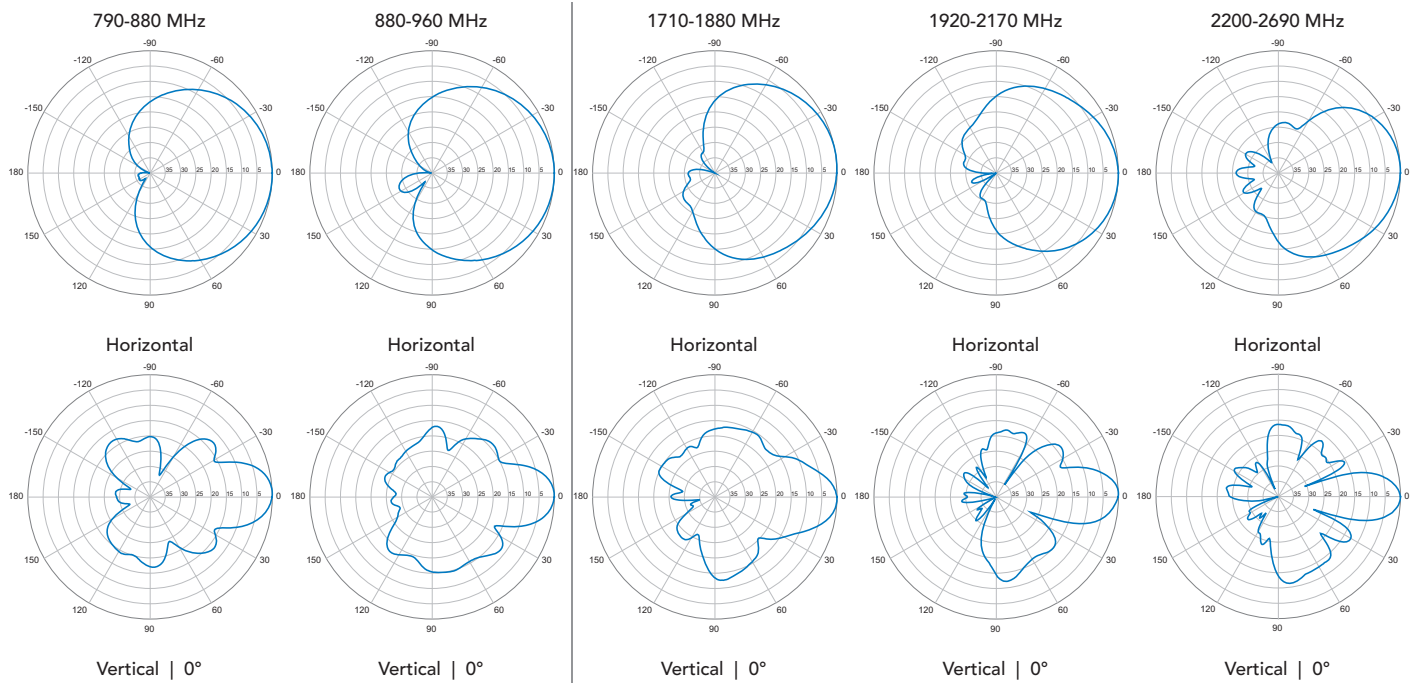
Installation				
Important Installation Instructions	Do not install the antenna with the connectors facing upward.			
Mounting Options	Part Number	Image	Fits Pipe Diameter	Weight
2-Point Mounting Bracket Kit (Included)	0900181/00		48-115 mm 1.9-4.5 in	3.4 kg 8 lbs
2-Point Downtilt Bracket Kit [0°-10°] (Included)	0900397/00	NO IMAGE AVAILABLE COMING SOON	---	3.0 kg 6.6 lbs

Bottom View	Dimensions
	

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