

5004xxx

V-Pol | Corner Reflector | Adjustable 90°-180° | 9.3-6.3 dBd

A medium gain, Adjustable Beamwidth antenna designed for TETRA network applications. These antennas can be deployed as 90, 120, 140 or 160 degree sector antennas or phased together to provide omnidirectional degree coverage on a large structure. Produced to the highest quality standards these robust designs will insure reliable operation in harsh environmental conditions.

Replace "xxx" with desired model number option.

Electrical Characteristics

Frequency range	380..470 MHz	
Model number options (xxx)	Model Number 5004380 5004100	Frequency band* 380-400 MHz 450-470 MHz
Polarization	Vertical	
Horizontal beamwidth	Adjustable to 90°, 120°, 140°, or 180°	
Vertical beamwidth	19°	
Gain	9.3 dBd @ 90° 8.4 dBd @ 120° 7.4 dBd @ 140° 6.3 dBd @ 180°	
Electrical downtilt	0°, 10°	
Impedance	50Ω	
VSWR	<1.5:1	
Front-to-back ratio	25 dB @ 90° 22 dB @ 120° 21 dB @ 140° 17 dB @ 180°	
Maximum power	250 W	
Connector type / Location	N-Female / Base	
Lightning protection	DC grounded	

* Other frequencies available upon request.

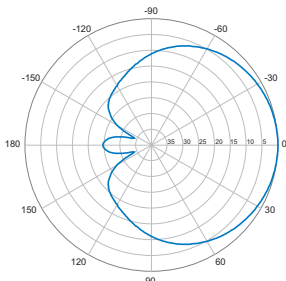
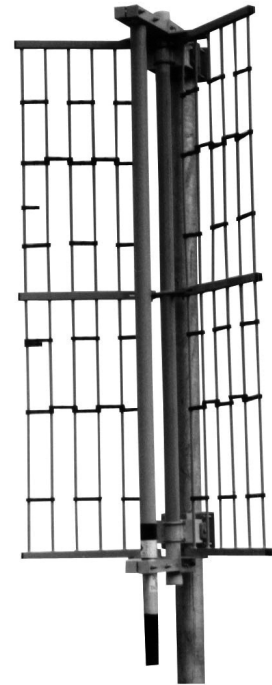
Mechanical Characteristics

Materials	Radiator element, sealed in glass fibre tube Reflector assembly, polyester coated, Aluminium	
Dimensions HxWxD	2600 x 800 x 400 mm	102.4 x 31.5 x 15.7 in
Weight without bracket	16 kg	35.3 lbs
Wind load @ 160 km/hr (100 mph)	800 N	180 lbf

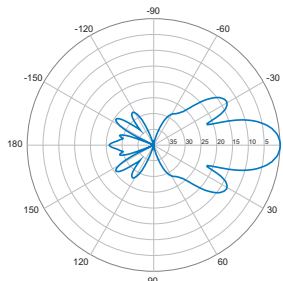
Mounting Options

Mounting bracket	9250-318
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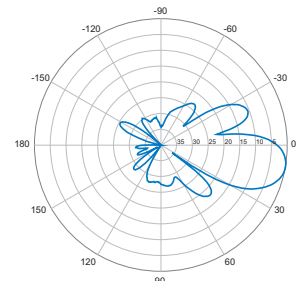
Please order Mounting Bracket separately.



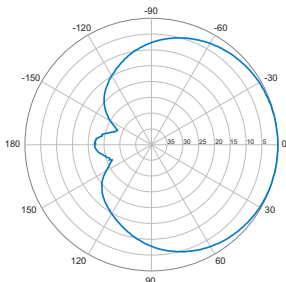
Horizontal | 90°



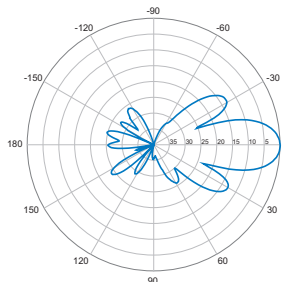
Vertical | 0°



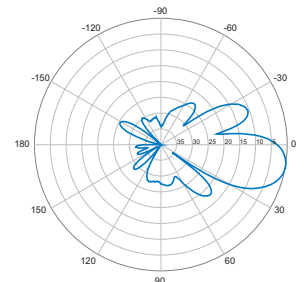
Vertical | 10°



Horizontal | 120°



Vertical | 0°

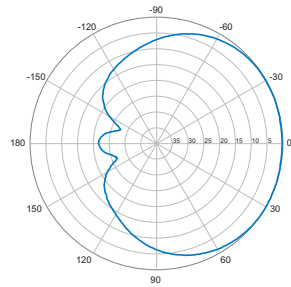


Vertical | 10°

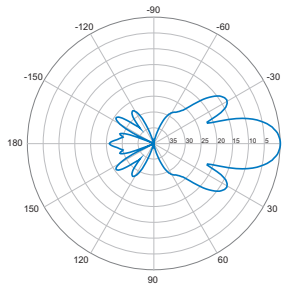
Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product.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

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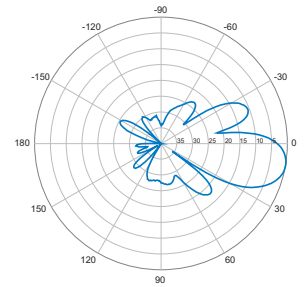
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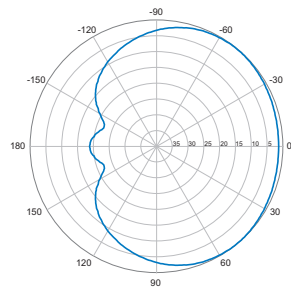
Horizontal | 140°



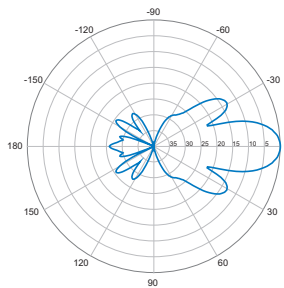
Vertical | 0°



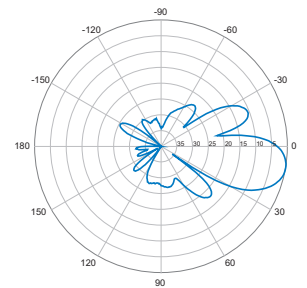
Vertical | 10°



Horizontal | 180°



Vertical | 0°



Vertical | 10°

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