

This antenna has been designed to offer our strongest model for installation in harsh environments.

## 7586780

V-Pol | Colinear | Omnidirectional | 7.0 dBi

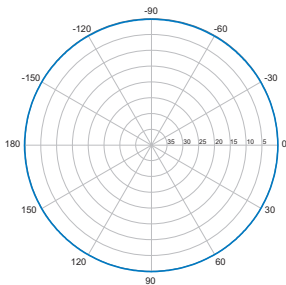
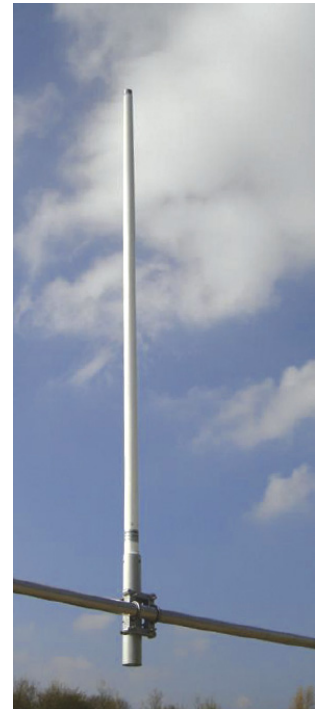
Electrical Characteristics	
Frequency band	410-430 MHz
Polarization	Vertical
Horizontal beamwidth	Omni $\pm 0.25$ dB
Vertical beamwidth (3 dB)	$18^\circ \pm 2^\circ$
Gain	4.9 dBd / 7.0 dBi
Electrical downtilt*	$0^\circ$
Impedance	$50\Omega$
VSWR	1.5:1 maximum full band
Power rating	300 W
UM3 (2 x 20 W carriers)	-110 dBm
Connector type	7/16 socket fitted inside the base mounting tube with black plastic rain shield
Operating temperature	$-30^\circ$ to $55^\circ$ C $-22^\circ$ to $131^\circ$ F
Lightning protection	DC grounded. Antennas remain intact following a lightning strike of $2.5 \times 10^2$ Amp <sup>2</sup> second.

\* Other electrical downtilts available upon request.

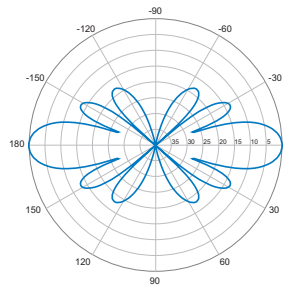
Mechanical Characteristics		
Dimensions (Length x Diameter)	2760 x 56 mm	108.7 x 2.2 in
Diameter of mounting stub	70 mm	2.8 in
Weight without bracket	7.4 kg	16.3 lbs
Survival wind speed (tested to survive in operational state)	300 km/hr	185 mph
Wind load @ 160 km/hr (100 mph)	230 N	51.7 lbf

Mounting Options	
Mounting bracket	0300235/00
Alternate mounting bracket	0300284/00 + U-bolts to match mounting pipe diameter.

Please order Mounting Bracket separately.



Horizontal



Vertical |  $0^\circ$

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.