

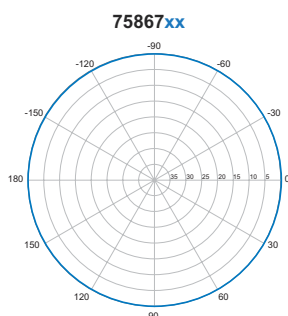
This antenna has been designed to offer our strongest model for installation in harsh environments.

Replace "xx" with desired electrical downtilt

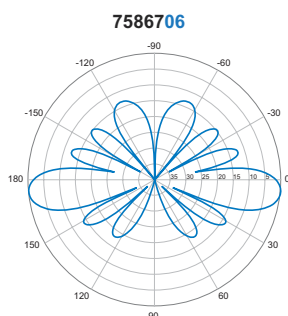
## 75867xx

V-Pol | Colinear | Omnidirectional | 7.5 dBi

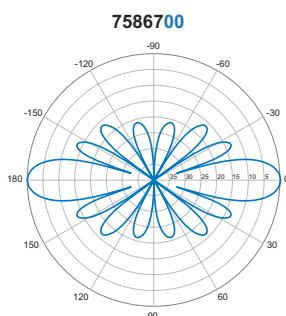
Electrical Characteristics	
Frequency band	380-400 MHz
Model number options (xx)	Model Number
	7586700
	7586703
	7586706
	7586708
	7586712
Electrical Downtilt	
0°	
3°	
6°	
8°	
12°	
Polarization	Vertical
Horizontal beamwidth	Omni ±0.25 dB
Vertical beamwidth (3 dB)	17°
Gain	5.4 dBd / 7.5 dBi
Impedance	50Ω
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	-50° to 55° C      -58° to 131° F
Lightning protection	DC grounded. Antennas remain intact following a lightning strike of 2.5 x 10 <sup>5</sup> Amp <sup>2</sup> second.
Mechanical Characteristics	
Dimensions (Length x Diameter)	2995 x 56 mm      117.9 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.



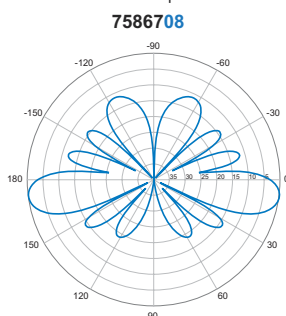
Horizontal



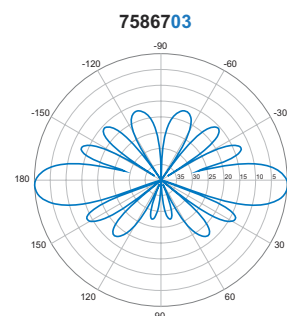
Vertical | 6°



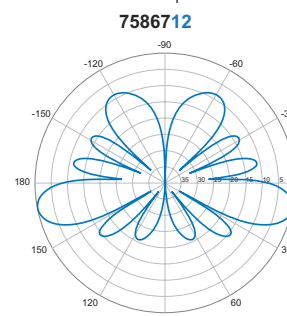
Vertical | 0°



Vertical | 8°



Vertical | 3°



Vertical | 12°

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.