

1-Port Omni Antenna Vertical Polarization

380-3800

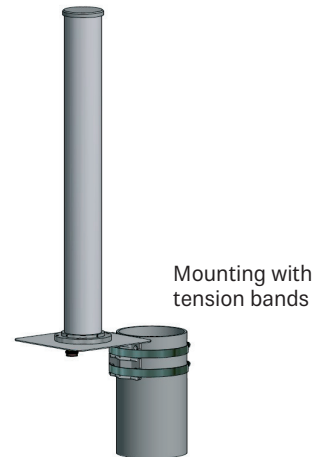
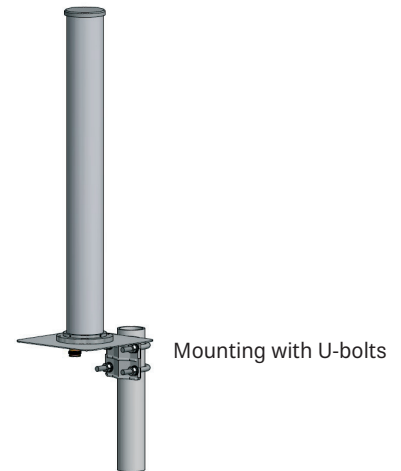
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KATHREIN

- Ultra wide band omni directional Antenna with small ground plane.
- Excellent Omni directional coverage.
- The antenna is PIM certified, thus making it suitable for all multi-carrier.

1-Port Omni Antenna 0.5m 360° | 380-3800 3-8.5dBi

Type No.		92210003
Frequency range	MHz	380-3800
Polarization		Linear, Vertical
Pattern		Omnidirectional
Gain	dBi	380-400 MHz: 3 400-450 MHz: 4 450-470 MHz: 5 694-746 MHz: 6 746-960 MHz: 7 1200-2700 MHz: 8 3300-3800 MHz: 8.5
Impedance	Ω	50
VSWR, max.		380-410 MHz: 2.8 : 1 410-3800 MHz: 2.2 : 1
VSWR, typical		< 1.7
PIM, 3rd order	dBc	< -150 (2 x 20 W, typ.)
Max. power	W	50 (at 50 °C ambient temperature)



Mechanical specifications		
Input		4.3-10 female
Connector position		Bottom
Max. wind velocity (Survival)	km/h	200
	mph	125
Height	mm	540
	inches	21.26
Radome diameter	mm	60
	inches	2.26
Weight	kg	0.5
	lb	1.1
Ground plane	mm	165 x 165 x 1.5
	inches	6.5 x 6.5 x 0.06

936.A3739a | Subject to alteration.

Accessories (order separately)

Type No.	Description	Remarks mm inches	Weight approx. kg lb	Units per antenna
734365	Tension bands	Mast diameter: 45-120 1.8- 4.7	0.08 0.18	1
734364	Tension bands	Mast diameter: 120- 140 4.7-5.5	0.11 0.24	1

Accessories (included in the scope of supply)

	U-bolt brackets	Mast diameter: 50.8 2.0		1
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Mounting: 2" Pole Mount.
There are two possibilities to mount the Antenna:
1) The antenna can be attached laterally at the tip of a tubular mast of 50.8 mm | 2.0 inches with two U-bolt brackets supplied.
2) The antenna can be attached laterally at the tip of a tubular mast with a pair of tension bands (please order separately).

Material: **Radiator:** PCB. **Radome:** UV protected plastic.
Base: Weather-proof aluminum.
Mounting kit, screws and nuts: Stainless steel.

Anti-static protection: All metal parts of the antenna as well as the clamps are grounded.

Lightning protection: The antenna is not lightning protected.

Environmental conditions: Operating temperature range: -40°C to +70 °C
Vibration: According to IEC 60721-3-4
Flammability: UL94
Water proofing: IP 65
Humidity: ETS 300 019-1-4. EN 302 085 (Annex A. 1.1)
Salt fog: According to IEC 68-2-11