



SPO 868-10

Base Station Antenna ISM LoRa 868 MHz



SPECIFICATIONS

Electrical Data	
Type	10 x 1/2 λ Colinear
Frequency Range @ SWR \leq 1.5	868 - 870 MHz
Impedance	50 Ω
Radiation (H-plane)	360° omnidirectional
Radiation (E-plane) Beamwidth @ -3 dB:	8.6°
Radiation angle deg.	0°
Polarization	Linear Vertical
Gain	8.4 dBd, 10.5 dBi
Max Power (CW) @ 30° C	20 Watts
Connector	N-female, gold plated central pin
Mechanical Data	
Housing & Radome Material	Fiberglass, PCB, Anodized aluminium, Nickel plated brass
Bracket & Hardware Material	Aluminium, Stainless steel
Wind Load @ 150 Km/h, 93 mi/h	93 N
Wind Resistance	140 Km/h, 87 mi/h
Wind Surface	0.078 m ² ; 0.3 ft ²
Height (approx.)	2590 mm, 8.5 ft
Weight (without bracket, approx.)	1500 gr, 3.3 lb
Operating Temperature	-40 °C to +80 °C
Ingress Protection	IP 66
Installation type	Mast: \varnothing 35-60 mm, \varnothing 1.4-2.4 inch with U-bolt

**N-female
connector**



MOUNTING INSTRUCTIONS

\varnothing 35-60 mm

1 cm approx

Mast not supplied

FT-5 fixing bracket:

FT-5 fixing bracket part list	
<i>Q.ty</i>	<i>Description</i>
2	Extruded aluminium bracket
2	M6x206 V-bolt
2	M6x20 Exagonal head screw
6	M6 Spring lock washer
6	M6 Hexagonal nut
Materials:	extruded aluminum
Hardware:	stainless steel
Dimensions :	85 x 65 x 25 mm
Weight:	220 g
Re-order code: 2519613.00	