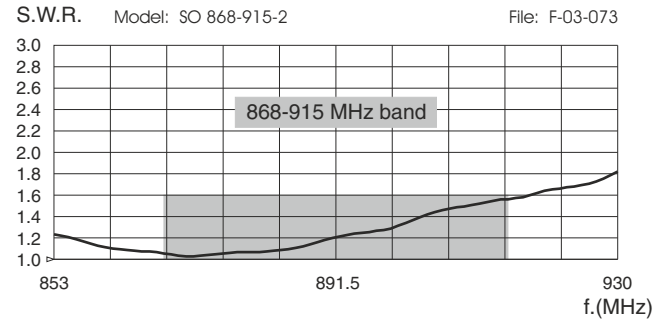


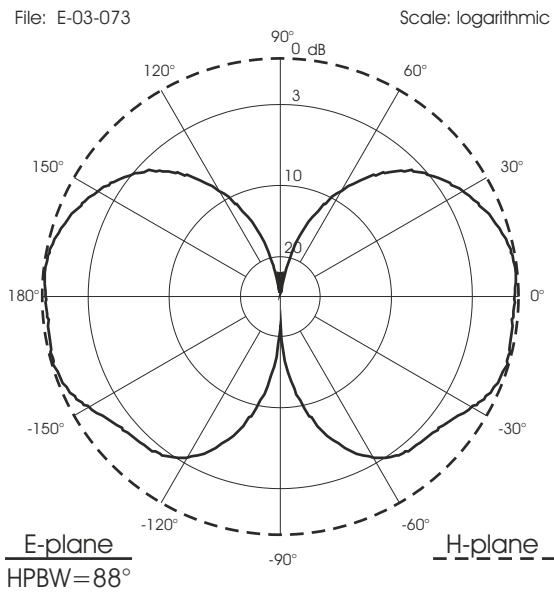
SO 868-915-2

Base Station Antenna ISM LoRa 868 MHz & 915 MHz bands

TYPICAL S.W.R. RESPONSE



TYPICAL RADIATION PATTERN at 868 MHz



SPECIFICATIONS

	SO 868-915-2 N-m connector	SO 868-915-2 N-f connector	SO 868-915-2 cable version
Electrical Data			
Type		1/2 λ Dipole	
Frequency Range @ SWR ≤ 1.5		868 - 915 Mhz	
Impedance		50 Ω	
Antenna detection DC resistance		on request	
Radiation (H-plane)		360° omnidirectional	
Radiation (E-plane) Beamwidth @ -3 dB:		88°	
Radiation angle deg.		0°	
Polarization		Linear Vertical	
Gain		2.2 dBi	
Max Power (CW) @ 30° C		20 Watts	
Cable Type / Length	/	/	White Low Loss / 5m, 16.4ft
Connector	N-male, gold plated pin	N-female, gold plated pin	SMA-male*
Mechanical Data			
Housing & Radome Material	Fiberglass, PCB, Anodized aluminium, Nickel plated brass		
Bracket & Hardware Material	/	Aluminium, Stainless steel	Galvanized steel
Wind Load @ 150 Km/h, 93 mi/h	14 N		
Wind Resistance	200 Km/h, 124 mi/h		
Wind Surface	0.011 m ² ; 0.12 ft ²		
Height (approx.)	290 mm, 0.951 ft		
Weight (without bracket, approx.)	235 gr, 0.52 lb	235 gr, 0.52 lb	335 gr, 0.74 lb
Operating Temperature	-40 °C to +80 °C		
Ingress Protection	IP 66		
Installation type	Direct Router Installation	Mast: Ø 35-60 mm, Ø 1.4-2.4 in with V-bolt	Mast: Ø 35-42 mm, Ø 1.4-1.6 in with U-bolt Wall: with screws (not included)

*Other type on request

MOUNTING INSTRUCTIONS



MOUNTING INSTRUCTIONS

SO 868-915-2 N-f

Mast bracket

Ø 35-60 mm

Mast not supplied

N-female

3 cm max

Not supplied

wall

Wall Mounting

Bracket part list	
Q.ty	Description
1	Extruded aluminium bracket
1	M6x206 V-bolt
1	M6x20 Exagonal head screw
3	M6 Spring lock washer
3	M6 Hexagonal nut
Materials:	extruded aluminum
Hardware:	stainless steel
Dimensions:	85 x 65 x 25 mm
Weight:	110 g
Re-order code: P/N SA303	

SA299
Optional
Protection
Nut

Factory assembled
upon request

SO 868-915-2 w/cable

M-3 mast
installation

Mast not supplied

Ø35-42mm

REMARK!
LOCK WELL

M-3 wall
installation

Wall mount
(screws not
included)

REMARK!
LOCK WELL

M-3 wall & mast BRACKET part list	
Q.ty	Description
2	M6 U-bolt
4	M6 Exagonal nut
4	M6 Flat washer
4	M6 Spring lock washer
1	Steel Bracket "M-3"
Materials:	galvanized steel
Dimensions:	195 x 60 x 70 mm
Weight:	420 g
Re-order: P/N 2503604.00	