



SO 5G N-f SO 5G N-f FT-7

Sirio Omnidirectional Multi-Band (650-960 MHz & 1.71-2.7 GHz & 3.3-4.2 GHz)

MAIN FEATURES

- Omnidirectional Wide Band Dipole antenna (from 650 to 4200 MHz).
- Working on 5G spectrum (2G-GSM, 3G-UMTS, 4G-LTE, 5G, WiFi, W-Lan etc).
- New FT-7 plastic bracket for installation on the horizontal or vertical mast.
- Completely sealed and waterproof IP67
- Fully designed & Manufactured in Italy
- Product is **PATENTED**



SPECIFICATIONS

Electrical Data	SO-5G N-f	SO-5G N-f FT-7
Type	Wide Band Dipole	
Frequency Range	650 ÷ 960 MHz, 1.7 ÷ 2.7 GHz, 3.3 ÷ 4.2 GHz (5G, 4G-LTE, W-lan etc.)	
Impedance	50 Ω	
Radiation (H-plane)	360° omnidirectional	
Radiation (E-plane) Beamwidth @ -3 dB:	see diagrams	
Radiation angle deg.	0°	
Polarization	Linear Vertical	
Gain	650 ÷ 960 MHz =	2.1 dBi
	1.7 ÷ 2.7 GHz =	4 ÷ 6 dBi
	3.3 ÷ 4.2 GHz =	6 ÷ 8 dBi
Max Power (CW) @ 30° C	10 Watts @	650 ÷ 960 MHz
	5 Watts @	1.7 ÷ 4.2 GHz
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	FT-7 Molded Plastic, Stainless steel
Wind Load @ 150 Km/h, 93 mi/h	14 N	27 N
Wind Resistance	200 Km/h, 124 mi/h	200 Km/h, 124 mi/h
Wind Surface	0.012 m ² ; 0.129 ft ²	0.018 m ² ; 0.19 ft ²
Dimensions (approx.)	D x H: 32 x 320 mm, 1.2in x 1ft	LxWxH: 90x200x370 mm; 3.5x7.9x14.5 in
Weight (whit bracket, approx.)	360 gr, 0.8 lb	680 gr, 1.5 lb
Operating Temperature	-40 °C to +80 °C	
Ingress Protection	IP 67	
Installation type	Vertical mast: Ø 35 ÷ 60 mm, Ø 1.4 ÷ 2.4 inch with V-bolt Wall: with screws (not included)	Horizontal or Vertical mast: Ø 35 ÷ 60mm, Ø 1.4 ÷ 2.4 inch with U-bolt Wall: with screws (not included)

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Fixing Accessories List

Re-order code: SA303

Pos	Q.ty	Description
A	1	M6x206 V-bolt
B	1	Extruded aluminium bracket
C	1	M6x20 Exagon head screw
D	3	M6 spring lock washers
E	3	M6 hexagonal nuts

Mounting needed tools:

10 mm open key

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Fixing Accessories List

Re-order code: WKI00044+WKI0045

Pos	Q.ty	Description
1	4	Inox screws torx TX20
2	2	M8x97 mm U-bolts
3	2	Stainless steel bracket
4	4	M8 spring lock washers
5	4	M8 hexagonal nuts

Mounting needed tools:

Torx TX 20 key
13 mm open key

MOUNTING INSTRUCTIONS

