



HI-QUALITY ANTENNAS MADE IN ITALY

OMNI MULTI-BAND SO 4G LTE

Base Station Antennas 790-960 & 1710-2700 MHz



Installation Manual

DESCRIPTION

Multi-band base station antennas conceived for LTE 790, ISM 868 MHz, GSM 900 & 1800, DCS 1.9, UMTS, W-LAN 2.4 and LTE 2.5 systems working on 790-960 MHz and 1710-2700 MHz. The radiant dipole is made of brass and protected by a fiberglass tube. SO 4G LTE has a N-female connector fitted directly on the botton while SO 4G LTE w/cable is supplied with 5m Low Loss cable directly connected and SMA-male (other type on request).

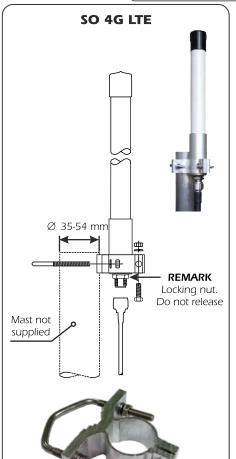
SPECIFICATIONS

Electrical Data	SO 4G LTE	SO 4G LTE cable version	
Type	Colinear Dipole Array		
Frequency Range @ SWR ≤ 2.2	790 - 960 MHz (LTE, ISM, GSM 900) &		
	1.71 - 2.7 GHz (GSM 1.8, PCN, DECT, UMTS, WLAN, LTE)		
Impedance	50 Ω		
Radiation (H-plane)	360° omnidirectional		
Radiation (E-plane)	Beamwidth @ -3 dB: see diagrams		
Radiation angle deg.	see diagrams		
Polarization	Linear Vertical		
Gain	2 dBi @ 790-960 MHz; 4 dBi @ 1.71-2.7 GHz		
Max Power (CW) @ 30° C	25 Watts		
Cable Type / Length	/	Low Loss cable / 5m, 16.4 ft	
Connector	N-female, gold plated central pin SMA-male, other type on re		
Mechanical Data			
Housing & Radome Material	Fiberglass, Anodized aluminium, Chromed Brass		
Bracket & Hardware Material	Aluminium, Stainless steel Galvanized steel		
Wind Load / Resistance	14 N @ 150 Km/h,93 mi/h / 200 Km/h, 124 mi/h		
Wind Surface	0.011 m²; 0.12 ft²		
Height (approx.)	300 mm, 1 ft		
Weight (approx.)	230 gr, 0.5 lb (without bracket) 495 gr, 1.1 lb (without bracket)		
Operating Temperature	-30 °C to +70 °C		
Installation type	Mast: Ø 35-54 mm, Ø 1.4-2.1 in	M3 bracket:	
	with V-bolt	Mast: Ø35-42mm, Ø1.4-1.65 in with U-bolt	
		Wall: with screws (not included)	



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MOUNTING INSTRUCTIONS



rixing bracket part list				
Q.ty	Description			
1	Extruded aluminium bracket			
1	M6x188 V-bolt			
1	M6x20 Exagonal head screw			
3	M6 Spring lock washer			
3	M6 Hexagonal nut			
Materials:		extruded aluminum		
Hardware:		stainless steel		
Dimensions:		80 x 76 x 25 mm		
Weight:		110 g		
Re-order code: SA161				

Fixing bracket part list

