



**OMNI MULTI-BAND**  
**SO 4G LTE**  
 Base Station Antennas 790-960 & 1710-2700 MHz



**SO 4G LTE**



**SO 4G LTE w/cable**

## 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 bottom 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	Collinear 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 request
<b>Mechanical Data</b>		
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 m <sup>2</sup> ; 0.12 ft <sup>2</sup>	
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 with V-bolt	M3 bracket: Mast: Ø35-42mm, Ø1.4-1.65 in with U-bolt Wall: with screws (not included)



HI-QUALITY ANTENNAS MADE IN ITALY

ID454

## MOUNTING INSTRUCTIONS

### SO 4G LTE

### SO 4G LTE w/cable

#### Fixing 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
<b>Re-order code: SA161</b>	

#### U-BOLTS re-order code: SA008

Q.ty	Description
2	M6 U-bolt
4	M6 Exagonal nut
4	M6 Flat washer
4	M6 Spring lock washer

#### BRACKET re-order code: ST07404

Materials:	Description
Materials:	galvanized steel
Dimensions:	195 x 60 x 70 mm
Weight:	345 g