



SD 3000 U/N

Wide-band Base Station Antenna



Installation Manual

SPECIFICATIONS

Electrical Data

Type	: Discone
Frequency Range (RX band)	: 300-3000 MHz
(TX band @ ≤ 2:1)	: 345...535; 545...960; 1180...1380 MHz 1660...1910; 1980...3000 MHz
Impedance	: 50 Ω
Radiation (H-plane)	: 360° Omnidirectional, HCM code =000ND00
Radiation (E-plane)	: Frequency dependente, see the pattern
Radiation angle	: Frequency dependente, see the pattern
Polarization	: Linear Vertical
Gain	: 0 dBd - 2.2 dBi @ lowest frequency
Max Power	: 200 Watts (CW)
Feed System / Position	: Direct / Center
Connector	: SD 3000 N = N-Female, gold plated central pin SD 3000 U = UHF-Female, gold plated central pin

Mechanical Data

Materials	: Aluminium, Chromed Brass, Stainless Steel, Nylon
Wind Load / Resistance	: 32N @ 150 Km/h / 150 Km/h, 93 mi/h
Wind Surface	: 0.03 m ² , 0.32 ft ²
Height (approx.)	: 725 mm, 1.7 ft
Weight (approx.)	: 830 gr, 2.7 lb
Cone radial length (approx)	: 270 mm, 0.9 ft
Mounting Mast	: Ø 25-60 mm, Ø 1-2.4 in



MOUNTING INSTRUCTIONS

Mounting needed tools:

- 7 mm open key (pos.4)
- 10 mm open key (pos.12)
- 13 mm open key (pos.1)
- screw driver cross point

Parts List

Pos	Q.ty	Description
1	1	Vertical radiator
2	1	M8 AISI 304 washer
3	1	Main base with connector
4	8	98mm Horizontal disc radiators
5	8	M4x5 AISI304 screws cone point
6	1	2 mm Allen key
7	8	Ø5mm plastic pins
8	8	Ø5x270mm AISI304 cone tubes
9	3	M4x6 AISI304 screws
10	3	M4 AISI304 washers
11	1	Ø32x390mm Anodized alum.tube
12	6	M6 AISI304 nut
13	6	M6 AISI304 washer
14	2	M6x206 AISI304 V-bolt
15	2	Extruded aluminium bracket
16	2	M6x20 AISI304 exa. head screws
17	8	Ø5mm plastic cap

