

SD210-SF3P2SNF(WS-BT) 1 dipole, 2.0 dBd, bi-directional, weather seal boot, 190-225 MHz

- Covers 190-225 MHz band
- 2.0 dBd gain with bi-directional pattern
- Can be top or side mount (Universal mount)
- Weather seal boot equipped for ease of connector waterproofing in the field

**Recommend SMK-125-A3 or SMK-125-A7 for Offset Side Mount.
Available from Sinclair separately.**

The SD210 series of antennas is unique in its high efficiency and exceptionally wide bandwidth, covering the frequency ranges of 118-137, 138-174, or 190-225 MHz with a VSWR of 1.5:1 or better. Because of its bandwidth, the SD210 series is perfectly suited for multicoupled systems.

Times IPB-400 NM weather boot is equipped for ease of connector waterproofing in the field. Customer side of the mating section weather boot is responsible by the client, but Sinclair can also provide upon request. Different kinds of weather boots can be equipped on a variety of Sinclair antennas to suit customers needs; please contact your Sinclair Sales Representative or Customer Service Representative for more information.



Antenna may not appear exactly as picture.

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet EPR 018434 Customer Tech Manual 006746		SD210-SF3P2SNF(WS-BT)	Issue: 1	Dated: 26-02-18 Dated: 04-12-17

Electrical Specifications

Frequency Range	MHz	190 to 225
Bandwidth	MHz	35
Connector		N-Female
Gain (nominal)	dBd (dBi)	2 (4.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	93
Average Input Power (max)	W	175
Lightning protection		DC ground

Notes

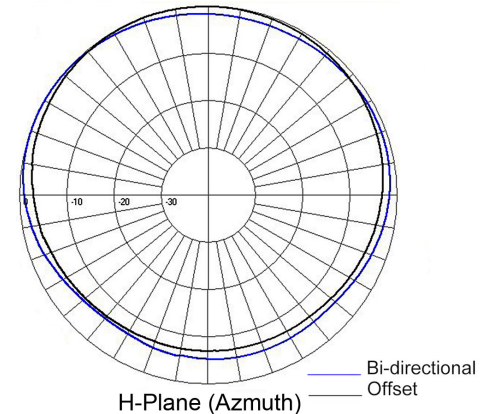
- *1 : 0.5" radial ice
- *2 : Qty 2 required
- *3 : 0.5" radial ice
- *4 : Value based on 100 mph with 0" ice.
- *5 : Value based on 100 mph with 0" ice.
- *6 : Value based on 100 mph with 0" ice.
- *7 : Value based on 100 mph with 0" ice.

Mechanical Specifications

Width	in (mm)	31 (787)	
Depth	in (mm)	3 (76)	
Length/ Height	in (mm)	60 (1524)	
Base pipe diameter	in (mm)	1.9 (48)	
Radiating element material		aluminum	
Base pipe material		aluminum	
Weight	lbs (kg)	9.4 (4.27)	
Weight iced (1/2" ice)	lbs (kg)	25.1 (11.4)	*1
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130	*2
Recommended For Offset Side Mount:		SMK-125-A3 or SMK-125-A7	
Mounting configurations		Universal Mount	
Actual shipping weight	lbs (kg)	22.3 (10.12)	
Shipping dimensions	in (mm)	78x36x6 (1981x914x152)	

Ordering Information

Clamps must be ordered separately.



Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)	
Wind Loading Area (Flat Plate Equivalent)	ft ² (m ²)	0.91 (0.08)	
Wind Loading Area (1/2" ice)	ft ² (m ²)	1.59 (0.15)	*3
Rated wind velocity (no ice)	mph (km/h)	235 (378)	
Rated wind velocity (1/2" radial ice)	mph (km/h)	170 (274)	
Lateral Thrust (100 mph No Ice)	lbs (N)	33.7 (149.9)	*4
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	23.8 (32.1)	*5
Bending moment (100 mph No Ice)	ft-lbs (Nm)	33.1 (44.7)	*6
Tip deflection (100 mph No Ice)	degrees	0.06	*7
Connector weather seal boot		Times IPB-400 NM	

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