

SD212-SF3P2SFNF(D00) 2 dipole, 5 dBd, 216-225 MHz

Also referred as: SD212-SF3P2SFNF

- 2-bay dipole that covers the 216-225 MHz band
- 5 dBd gain with bi-directional pattern
- 250 W power handling with a flange mount N-female connector
- Can be top or side mounted (Universal mount)

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

The SD212 series is an extremely rugged 2-bay exposed dipole antenna designed for applications where moderate gain is required. These premium-quality antennas are well suited to public safety applications.

The design of the SD212-SF3P2SFNF antenna covers the frequency range of 216 to 225 MHz with a VSWR of 1.5:1. It also comes with a flange mounted N-female connector.



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
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#### Electrical Specifications

Frequency Range	MHz	216 to 225
Bandwidth	MHz	36
Connector		Flange Mount N-Female
Gain (nominal)	dBd (dBi)	5 (7.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	$\Omega$	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	35
Average Power Input (max)	W	250
Lightning protection		DC ground
Electrical tilt (available)		0,2,4,6,8, or 10 degrees

#### Notes

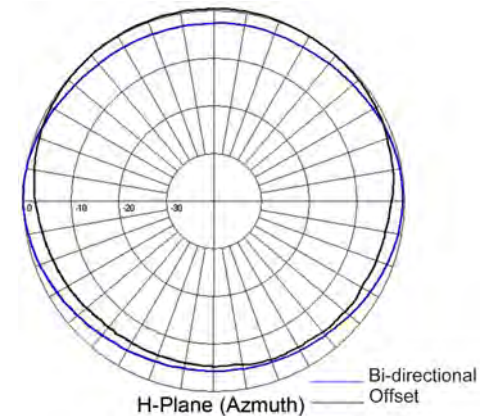
\*1 : Qty 2 required

#### Mechanical Specifications

Width	in (mm)	30.3 (770)
Depth	in (mm)	3 (76)
Length/ Height	in (mm)	100 (2540)
Base pipe diameter	in (mm)	1.9 (48)
Base pipe mounting length	in (mm)	36 (914)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	20 (9.08)
Weight iced (1/2" ice)	lbs (kg)	49 (22.25)
Mounting Hardware (Optional)		Clamp005(E5856) *1
Actual shipping weight	lbs (kg)	36 (16.34)
Shipping dimensions	in (mm)	124x44x4 (3150x1118x102)
Mounting configurations		Universal Mount
Recommended For Offset Side Mount:		SMK-125-A3 or SMK-125-A7

#### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft <sup>2</sup> (m <sup>2</sup> )	1.62 (0.15)
Wind Loading Area (1/2" ice)	ft <sup>2</sup> (m <sup>2</sup> )	2.82 (0.26)
Rated wind velocity (no ice)	mph (km/h)	190 (306)
Rated wind velocity (1/2" radial ice)	mph (km/h)	135 (217)
Lateral thrust (100 mph No Ice)	lbs (N)	59 (262.4)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	44 (59.4)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	173 (233.6)
Tip deflection (100 mph No Ice)	degrees	0.4



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