

**SD222D-SF6/F10SNF** Dual exposed dipole, Omni- directional, 3 dBd, 160/220 MHz

- Stacked dual port, covering 158-168/215-225 MHz
- Omni- directional pattern with 3 dBd gain
- Compact, light weight for easy installation
- No on-site assembly required

SD222D-SF6/F10SNF series antenna is a lightweight, compact antenna that provides a near omni-directional pattern and 3 dBd gain. It uses integrated dipole and boom configuration and solid Aluminum alloy casting with u-bolt for dipole to mast attachment, providing reliable long life positive contact.

SD222D-SF6/F10SNF is a dual port antenna with two independent SD222 antennas vertically stacked on the same mast providing a minimum of 20 dB isolation between the two.

For additional port to port isolation, Sinclair's compact filters (FP161R220/098-NMF and FP220R161/098-NMF) can be used. Two independent SD222 antennas covers different frequency band, one is for 158-168 MHz and another one for 215-225 MHz.

The SD222D-SF6/F10SNF can be mounted in either upright or inverted, offering flexible mounting options.



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	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

Bandwidth	MHz	10
Frequency Range 1 (F1)	MHz	158 to 168
Frequency Range 2 (F2)	MHz	215 to 225
Connector		N-Female
Gain (nominal)	dBd (dBi)	3 (5.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Omni-directional
Vertical beamwidth (typ)	degrees	35
Isolation port to port (min)	dB	20
Average Power Input (max)- Input 1	W	300
Average Power Input (max)- Input 2	W	250

#### Mechanical Specifications

Width	in (mm)	16.75 (425)
Depth	in (mm)	4.5 (114)
Length/ Height	in (mm)	138 (3505)
Base pipe diameter	in (mm)	1.9 (48)
Base pipe mounting length	in (mm)	24 (610)
Weight	lbs (kg)	23 (10.44)
Weight iced (1/2" ice)	lbs (kg)	58 (26.33) *1
Mounting information		Upright or inverted
Mounting Hardware (Included)		Clamp130 *2
Estimated Shipping Weight	lbs (kg)	38 (17.25)
Shipping dimensions	in (mm)	144x24x6 (3658x610x152)

#### Environmental Specifications

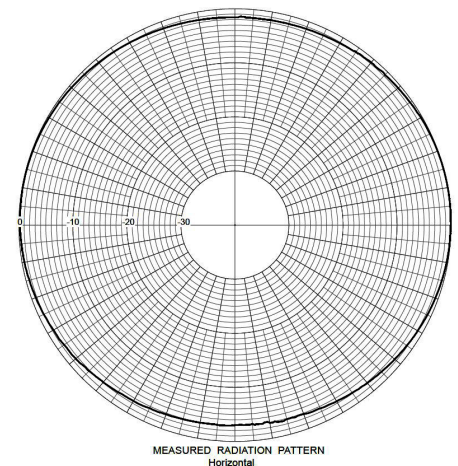
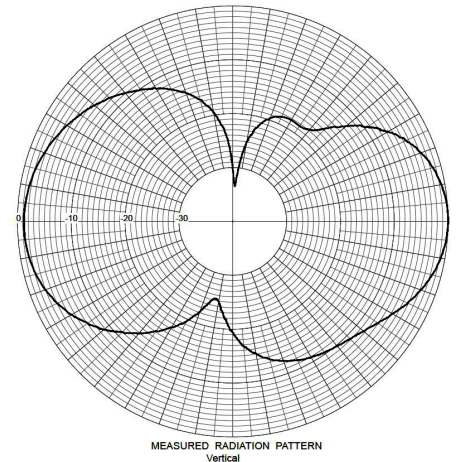
Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.93 (0.18)
Wind Loading Area (1/2" ice)	ft² (m²)	4.1 (0.38) *3
Rated wind velocity (no ice)	mph (km/h)	125 (201)
Rated wind velocity (1/2" radial ice)	mph (km/h)	80 (129)
Lateral thrust (100 mph No Ice)	lbs (N)	96 (427)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	381 (514.4)
Tip deflection (100 mph No Ice)	degrees	1.6

#### Notes

- \*1 : 0.5" radial ice
- \*2 : Qty 2
- \*3 : with 0.5" radial ice

#### Ordering Information

Clamps included. For offset mounting, side mount kits available separately.



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