

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

· 2-bay dipole that covers the 216-225 MHz band

- Also referred as: SD212-SF3P2SFNF
- 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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Product Specification Sheet EPR 018238		SD212-SF3P2SFNF(D00)	Issue: 2	Dated: 14-12-16 Dated: 26-04-13	
Customer Tech Manual 006195		Sinclair's commitment to product leadership may result in improvement or change to this product			

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Antennas Low Band, Aviation, and VHF Antennas SD212 Series

Frequency Range Bandwidth Connector Gain (nominal) nput VSWR (max) Polarization mpedance Pattern /ertical beamwidth (typ) Average Power Input (max) Lightning protection Electrical tilt (available)	MHz dBd (dBi) Ω degrees W	36 Flange Mount N-Female 5 (7.1) 1.5:1 vertical 50 Bi- directional 35 250 DC ground 0,2,4,6,8, or 10 degrees	
Gain (nominal) nput VSWR (max) Polarization mpedance Pattern /ertical beamwidth (typ) Average Power Input (max) Lightning protection Electrical tilt (available) Mechanical Specifications Width	Ω degrees	5 (7.1) 1.5:1 vertical 50 Bi- directional 35 250 DC ground	
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Electrical tilt (available) Mechanical Specifications Width			—
Mechanical Specifications		0,2,4,6,8, or 10 degrees	
Vidth			
Vidth			
	in (mm)	30.3 (770)	
Depth	in (mm)	3 (76)	
₋ength/ 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	
Veight	lbs (kg)	20 (9.08)	
Veight iced (1/2" ice)	lbs (kg)	49 (22.25)	- $XXXHHX/XX$
Mounting Hardware (Optional)		Clamp005(E5856)	*1
Actual shipping weight	lbs (kg)	36 (16.34)	
Shipping dimensions	in (mm)	124x44x4 (3150x1118x102)	0 10 20 30
Mounting configurations		Universal Mount	- HEALET
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)	ft² (m²)	1.62 (0.15)	Bi
Wind Loading Area (1/2" ice)	ft² (m²)	2.82 (0.26)	H-Plane (Azmuth) O
Rated wind velocity (no ice)	mph (km/h)	190 (306)	
Rated wind velocity (1/2" radial ice)	mph (km/h)	135 (217)	
_ateral thrust (100 mph No Ice)	lbs (N)	59 (262.4)	
Forsional moment (100 mph No Ice)	ft-lbs (Nm)	44 (59.4)	
Bending moment (100 mph No Ice)	ft-lbs (Nm)	173 (233.6)	
• • • •		0.4	
Fip deflection (100 mph No Ice)	degrees	· ·	

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