

SD212-HF3P2SNM(D00) 2 dipole, 5.0 dBd, bi-directional, HD, 190-225 MHz

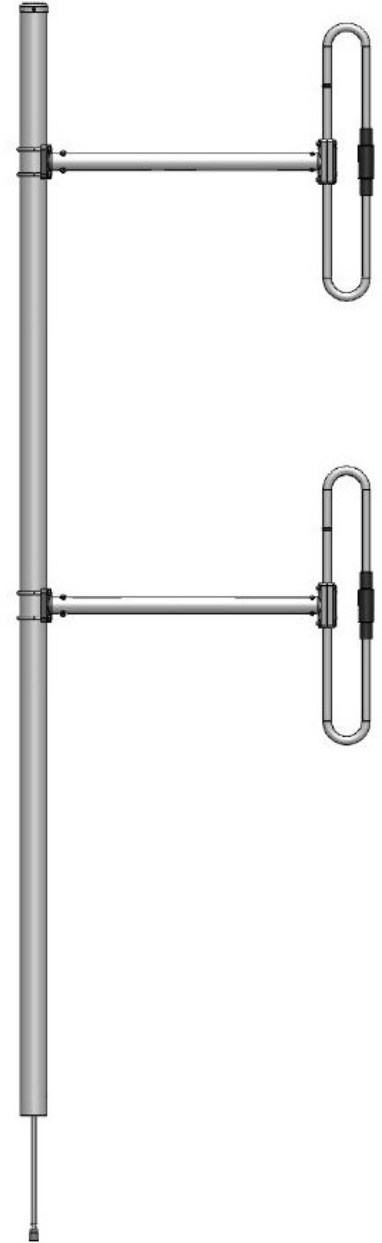
- 2-bay dipole that covers the 190-225 MHz band
- 5 dBd gain with bi-directional pattern
- 250W power handling
- Can be top or side mount (Universal mount)

**Recommend SMK-425-A3-T3 or SMK-425-A7-T3 for Offset Side Mount.
Available from Sinclair separately.**

The SD212-H series is a rugged heavy duty 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 standard connector offered is N male which is terminated on a 1 foot cable.

Also available with a N-female connector as SD212-HF3P2SNF(D00).



Antenna may not appear exactly as picture.

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Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet EPR 018504 Customer Tech Manual 006143		SD212-HF3P2SNM(D00)	Issue: 6	Dated: 14-12-16 Dated: 25-10-16

Electrical Specifications

Frequency Range	MHz	190 to 225	
Bandwidth	MHz	35	
Connector		N-Male	*1
Gain (nominal)	dBd (dBi)	5 (7.1)	
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Bi-directional	
Vertical beamwidth (typ)	degrees	33	
Average Power Input (max)	W	250	
Lightning protection		DC ground	
Electrical tilt (available)		0,2,4,6,8, or 10 degrees	

Notes

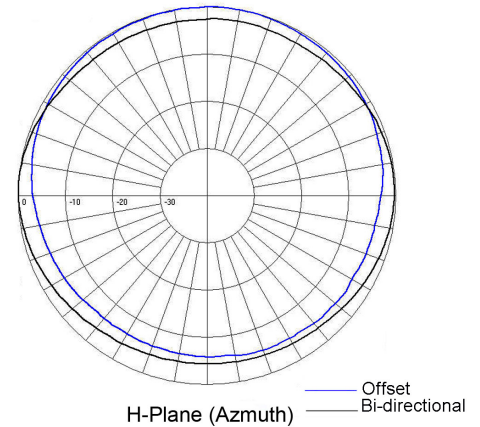
- *1 : N-female also available
- *2 : Qty 2

Mechanical Specifications

Width	in (mm)	32 (813)	
Depth	in (mm)	3.5 (89)	
Length/ Height	in (mm)	100 (2540)	
Base pipe diameter	in (mm)	2.38 (60)	
Base pipe mounting length	in (mm)	24 (610)	
Radiating element material		aluminum	
Base pipe material		aluminum	
Weight	lbs (kg)	27 (12.26)	
Weight iced (1/2" ice)	lbs (kg)	56 (25.42)	
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130	*2
Estimated Shipping Weight	lbs (kg)	50 (22.7)	
Shipping dimensions	in (mm)	108x36x6 (2743x914x152)	
Mounting configurations		Universal Mount	
Recommended For Offset Side Mount:		SMK-425-A3-T3 or SMK-425-A7-T3	

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)	ft² (m²)	1.87 (0.17)
Wind Loading Area (1/2" ice)	ft² (m²)	3.1 (0.29)
Rated wind velocity (no ice)	mph (km/h)	195 (314)
Rated wind velocity (1/2" radial ice)	mph (km/h)	155 (250)
Lateral thrust (100 mph No Ice)	lbs (N)	68 (302.5)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	47 (63.5)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	191 (257.9)
Tip deflection (100 mph No Ice)	degrees	0.35

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