

SD212-SF2P4SNM(D00B-WABK) 2 dipole, 5.5 dBd, offset, top mount, welded, ABK, 138-174 MHz

Also referred as: SRL210C2NM\*2-4

- 2-bay dipole antenna that covers the 138-174 MHz band
- 5.5 dBd gain in offset pattern (1/4 wave configuration)
- 300 W power handling
- Top mount, welded and black anodized

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/public security applications.

The design of these antennas provides for coverage between 118 to 225 MHz in 3 sub bands, 118-138MHz for civil aviation applications, 138-174MHz for private mobile networks, public safety and public security and 220-225MHz for transportation networks.

The standard connector offered is N male which is terminated on a 1 foot cable.

**Application Notes**

- Sub bands:  
 118-138 MHz (F1)  
 138-174 MHz (F2)  
 190-225 MHz (F3)

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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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#### Electrical Specifications

Frequency Range	MHz	138 to 174
Bandwidth	MHz	36
Connector		N-Male
Gain (nominal)	dBd (dBi)	5.5 (7.6)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Offset
Horizontal beamwidth (typ)	degrees	210
Vertical beamwidth (typ)	degrees	34
Average Power Input (max)	W	300
Lightning protection		DC ground
Electrical tilt (available)		0,2,4,6,8, or 10 degrees

#### Notes

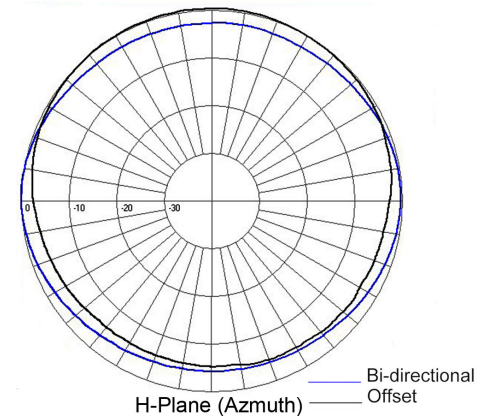
\*1 : Qty 2 required

#### Mechanical Specifications

Width	in (mm)	23 (584)
Depth	in (mm)	3 (76)
Length/ Height	in (mm)	120 (3048)
Base pipe diameter	in (mm)	2.38 (60)
Base pipe mounting length	in (mm)	36 (914)
Radiating element material		aluminum
Base pipe material		aluminum
Finish		anodize (black)
Weight	lbs (kg)	23 (10.44)
Weight iced (1/2" ice)	lbs (kg)	55 (24.97)
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130 *1
Actual shipping weight	lbs (kg)	40 (18.16)
Shipping dimensions	in (mm)	124x26x6 (3150x660x152)
Mounting configurations		top mount
Recommended For Offset Side Mount:		SMK-125-A3 or SMK-125-A7
Boom mast junction		welded

#### 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)	2.1 (0.2)
Wind Loading Area (1/2" ice)	ft² (m²)	3.4 (0.32)
Rated wind velocity (no ice)	mph (km/h)	155 (250)
Rated wind velocity (1/2" radial ice)	mph (km/h)	115 (185)
Lateral thrust (100 mph No Ice)	lbs (N)	76 (338)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	32 (43.2)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	233 (314.6)
Tip deflection (100 mph No Ice)	degrees	0.3

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