

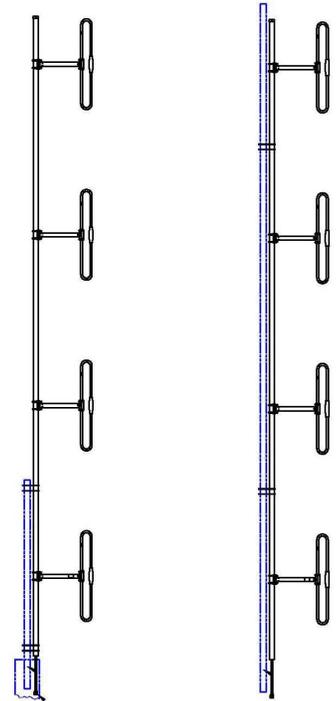
SD214-SF2P2LDF(D00) 4 dipole, 7.0 dBd, bi-directional, low PIM, 138-174 MHz

- 4-bay dipole antenna with industry-leading -150dBc PIM rating
- 7 dBd gain with bi-directional pattern
- 300W power handling
- Can be top or side mounted (Universal Mount)

The SD214-L series is a low PIM, 4-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 these antennas provides for coverage between 118 to 225 MHz in 3 sub bands, 118-138 MHz for civil aviation applications, 138-174 MHz for private mobile networks, public safety and public security and 220-225 MHz for transportation networks.

The SD214-L low PIM dipole antennas use industry-leading designs that offer high gain, excellent bandwidth and high reliability. The standard connector offered is 7/16" DIN female.



Top Mount

Side Mount

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
E-mail	salesusa@sincltech.com	salesuk@sincltech.com	salesla@sincltech.com	salescan@sincltech.com

Electrical Specifications

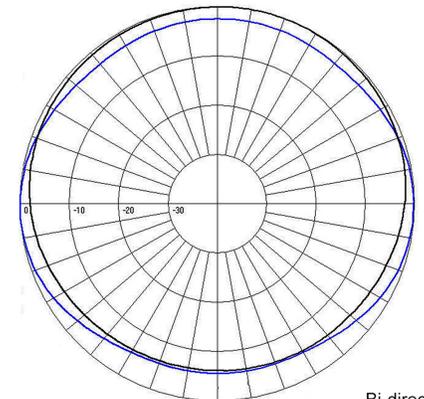
Frequency Range	MHz	138 to 174
Bandwidth	MHz	36
Connector		7/16 DIN-Female
Gain (nominal)	dBd (dBi)	7 (9.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	18
Average Power Input (max)	W	300
Passive intermod. (2x20W, 3rd ord.)	dBc	-150
Lightning protection		DC ground
Electrical tilt (available)		0,2,4,6, or 8 degrees

Mechanical Specifications

Width	in (mm)	42 (1067)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	240 (6096)
Base pipe diameter	in (mm)	2.38 (60)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	63 (28.6)
Weight iced (1/2" ice)	lbs (kg)	137.3 (62.33)
Mounting Hardware (Optional)		Clamp130
Actual shipping weight	lbs (kg)	85 (38.59)
Shipping dimensions	in (mm)	247x44x6 (6274x1118x152)
FPE	ft² (m²)	4.89 (0.45)
Mounting configurations		Universal Mount
Recommended For Offset Side Mount:		Not Required

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	4.9 (0.46)
Wind Loading Area (1/2" ice)	ft² (m²)	8.2 (0.76)
Rated wind velocity (no ice)	mph (km/h)	125 (201)
Rated wind velocity (1/2" radial ice)	mph (km/h)	90 (145)
Lateral thrust (100 mph No Ice)	lbs (N)	179 (796.2)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	192 (259.2)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	1025 (1383.8)



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