

SD318-HF2P2SNM(D02) 8 dipole, 10 dBd, bi-directional, 2° DT, HD, 406-512MHz

Also referred as: SRL310C8NM*2-2DT2

- Covers entire 406-512 MHz
- 10 dBd gain with bi-directional pattern and 2 degrees of downtilt
- Heavy duty wind rating and 150W power handling
- Can be bottom (top) or side mounted (Universal mount)

**Recommend SMK-135-A3-T3 or SMK-135-A7-T3 for Offset Side Mount.
Available from Sinclair separately.**

The SD318-H series is an extremely rugged 8-bay exposed dipole antenna designed for applications where moderate gain is required. These premium-quality antennas are well suited for public safety applications.

The design of these antennas provides coverage between 380 to 512 MHz in 2 sub-bands. 380-460 MHz and 406-512 MHz for private mobile networks, public safety and public security networks.

The standard connector offered is N-type (male).



www.sinctech.com

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	406 to 512
Connector		N-Male *1
Gain (nominal)	dBd (dBi)	10 (12.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	8
Average Input Power (max)	W	150
Lightning protection		DC ground
Electrical tilt (available)		0,2,4,6,8, or 10 degrees

Mechanical Specifications

Width	in (mm)	16 (406)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	204 (5182)
Base pipe diameter	in (mm)	2.38 (60)
Base pipe mounting length	in (mm)	48 (1219)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	48 (21.79)
Mounting Hardware (Optional)		Clamp005, Clamp015, Clamp130, or Clamp125U *2
Recommended For Offset Side Mount:		SMK-135-A3-T3 or SMK-135-A7-T3
Mounting configurations		Universal Mount
Actual shipping weight	lbs (kg)	80 (36.32)
Shipping dimensions	in (mm)	206x6x20 (5232x152x508)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	3.54 (0.33)
Wind Loading Area (1/2" ice)	ft² (m²)	6.3 (0.59) *3
Rated wind velocity (no ice)	mph (km/h)	160 (258)
Rated wind velocity (1/2" radial ice)	mph (km/h)	120 (193)
Lateral Thrust (100 mph No Ice)	lbs (N)	144 (640.5) *4
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	43 (58.1) *5
Bending moment (100 mph No Ice)	ft-lbs (Nm)	632 (853.2) *6

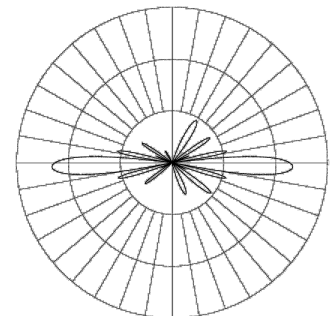
Notes

- *1 : Optional: N-Female
- *2 : Qty 2
- *3 : 0.5" radial ice
- *4 : Value based on 100 mph with 0 inches of ice.
- *5 : Value based on 100 mph with 0 inches of ice.
- *6 : Value based on 100 mph with 0 inches of ice.

Ordering Information

Clamps must be ordered separately.

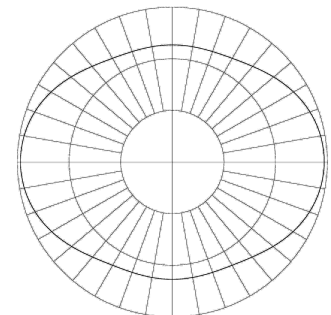
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MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Elevation
Relative Gain - 10 dB per Division

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MEASURED RADIATION PATTERN
VERTICAL POLARIZATION

Azimuth
Relative Gain - 10 dB per Division

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