

SD318-HF2P4SNM(D04) 8 dipole, 10.5 dBd, offset, 4° DT, HD, 406-512 MHz

- 8-bay dipole antenna
- 10.5 dBd gain with offset pattern and 4 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).



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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 017301  
Customer Tech Manual 006079

SD318-HF2P4SNM(D04)

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### Electrical Specifications

Frequency Range	MHz	406 to 512
Connector		N-Male
Gain (nominal)	dBd (dBi)	10.5 (12.6)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Offset
Horizontal beamwidth (typ)	degrees	222
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

### Notes

- \*1 : Qty 2
- \*2 : 0.5" radial ice

### Mechanical Specifications

Width	in (mm)	12 (305)
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)	46 (20.88)
Mounting Hardware (Optional)		Clamp005, Clamp015, Clamp130, or Clamp125U *1
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)	206x6x16 (5232x152x406)

### 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)	3.54 (0.33)
Wind Loading Area (1/2" ice)	ft² (m²)	6.3 (0.59) *2
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)	69 (306.9)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	43 (58.1)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	430 (580.5)

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