

**SD335-HF1PASNM(D00B)** Exposed dipole array, 3 dBd/ 5.5 dBd, field adj, N-Male, HD, 406-512 MHz

Also referred as: SRL335NM-1

- 3 dBd gain in Omni-directional configuration; 5.5 dBd in bi-directional configuration
- Broadband covering entire 406-512 MHz frequency range
- 300 Watt power handling
- Bottom mount

The SD335 is a highly versatile broadband antenna featuring omnidirectional or bi-directional pattern coverage. The pattern may be easily changed in the field. Because the SD335 covers the entire 406-512 MHz frequency band, it is ideally suited for use in multicoupled systems. Heavier duty and/or higher power rated models are available on special order.



Bi-Directional Configuration

Omni-Directional Configuration

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
<b>Telephone</b>	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
<b>E-mail</b>	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

### Electrical Specifications

Frequency Range	MHz	406 to 512	
Connector		N-Male	
Gain (nominal)	dBd (dBi)	5.5 (7.6)	*1
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni or Bi-directional, Adjustable	
Vertical beamwidth (typ)	degrees	36	
Average Power Input (max)	W	300	
Lightning protection		DC ground	

### Notes

\*1 : 3 for omni

### Mechanical Specifications

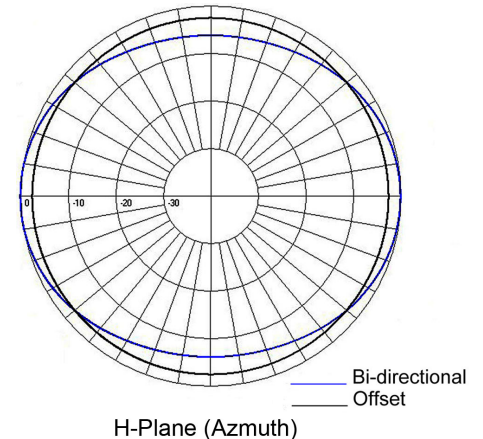
Width	in (mm)	15.75 (400)
Depth	in (mm)	15.75 (400)
Length/ Height	in (mm)	96 (2438)
Base pipe diameter	in (mm)	2.38 (60)
Base pipe mounting length	in (mm)	24 (610)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	17.8 (8.08)
Mounting Hardware (Optional)		Clamp005, Clamp015, Clamp130, or Clamp125U
Actual shipping weight	lbs (kg)	27 (12.26)
Shipping dimensions	in (mm)	101x19.2x7.2 (2565x488x183)
Mounting configurations		Bottom mount

### 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)	1.64 (0.15)
Wind Loading Area (1/2" ice)	ft² (m²)	2.53 (0.24)
Rated wind velocity (no ice)	mph (km/h)	205 (330)
Rated wind velocity (1/2" radial ice)	mph (km/h)	165 (266)
Lateral thrust (100 mph No Ice)	lbs (N)	71 (315.8)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	203 (274.1)



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@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com