

SD242-SF3P2SFNM(D001) 2 dipole, 5.0 dBd, bi-directional, Inverted, 190-225 MHz

- 2-bay dipole that covers the 190-225 MHz band
- 5 dBd gain with bi-directional pattern and 300W power handling
- Flange mounted connector for enhanced durability
- Designed for inverted mount

The SD242 series is a rugged heavy duty 2-bay exposed dipole antenna, designed for applications where moderate gain is required. These premium-quality antennas are well suited to public safety applications.

Low PIM and electrical downtilt models are available upon request, please call for details.

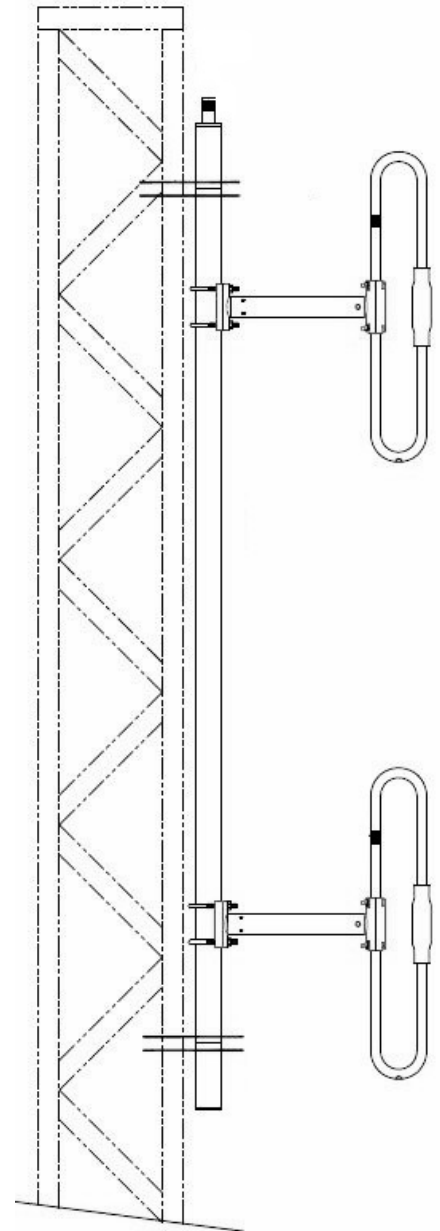


Image for illustration only & may not be an exact representation of product.

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Product Specification Sheet		SD242-SF3P2SFNM(D001)	Issue: 0	Dated: 16-02-22
EPR				Dated: 30-06-20
Customer Tech Manual				

Electrical Specifications

Frequency Range	MHz	190 to 225
Bandwidth	MHz	35
Connector		N-Male
Gain (nominal)	dBd (dBi)	5 (7.1)
Input VSWR (max)		1.5:1
Polarization		vertical
Impedance	Ω	50
Pattern		Bi-directional
Vertical beamwidth (typ)	degrees	33
Average Input Power (max)	W	300
Lightning protection		DC ground
Main Beam Electrical Tilt (Downtilt)	degrees	0

Notes

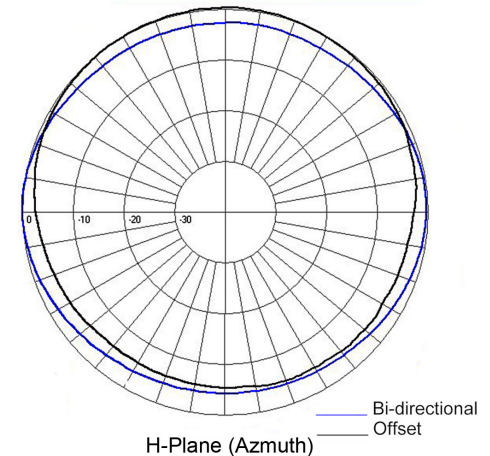
- *1 : Qty: 2
- *2 : Optional, not included.

Mechanical Specifications

Width	in (mm)	32 (813)
Depth	in (mm)	3.5 (89)
Length/ Height	in (mm)	75 (1905)
Base pipe diameter	in (mm)	1.9 (48)
Base pipe mounting length	in (mm)	62 (1575)
Radiating element material		aluminum
Base pipe material		aluminum
Weight	lbs (kg)	15 (6.81)
Weight iced (1/2" ice)	lbs (kg)	37 (16.8)
Mounting configurations		Inverted
Mounting Hardware (Optional)		Clamp005, Clamp015, or Clamp130 *1
Kit for Offset Side Mount (straight tower leg)		SMK-425-A3-T3 or SMK-425-A7-T3 *2
Actual shipping weight	lbs (kg)	31 (14.07)
Shipping dimensions	in (mm)	85x35x6 (2159x889x152)

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)	1.4 (0.13)
Wind Loading Area (1/2" ice)	ft² (m²)	2.5 (0.23)
Rated wind velocity (no ice)	mph (km/h)	185 (298)
Rated wind velocity (1/2" radial ice)	mph (km/h)	145 (233)
Lateral Thrust (100 mph No Ice)	lbs (N)	51 (226.8)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	44 (59.4)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	77 (104)

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