

SD235-SF2PALDF(D00B) Exposed dipole array, 3 dBd/ 5.5 dBd, field adj, low PIM, 138-174 MHz

- Perfectly suited for multicoupled systems due to its broad band operation.
- Field adjustable - 3 dBd omni-directional or 5.5 dBd bi-directional pattern.
- Low PIM rating for multichannel operation.

The SD235-L is a low PIM, highly versatile broadband antenna featuring omni-directional or bi-directional pattern coverage. The pattern may be easily changed in the field. Because the SD235 covers the entire 138-174 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.



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Product Specification Sheet
EPR 018169

SD235-SF2PALDF(D00B)

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Electrical Specifications

Frequency Range	MHz	138 to 174	
Bandwidth	MHz	36	
Connector		7/16 DIN-Female	
Gain (nominal)	dBd (dBi)	3 (5.1)	*1
Input VSWR (max)		1.5:1	
Polarization		vertical	
Pattern		omni/bi-directional, adj.	
Vertical beamwidth (typ)	degrees	34	
Average Power Input (max)	W	300	
Passive intermod. (2x20W, 3rd ord.)	dBc	-150	
Lightning protection		DC ground	

Notes

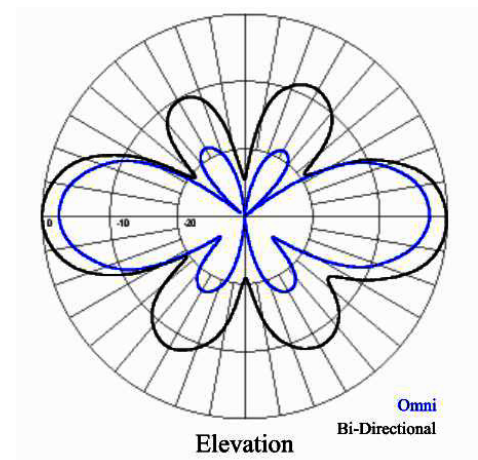
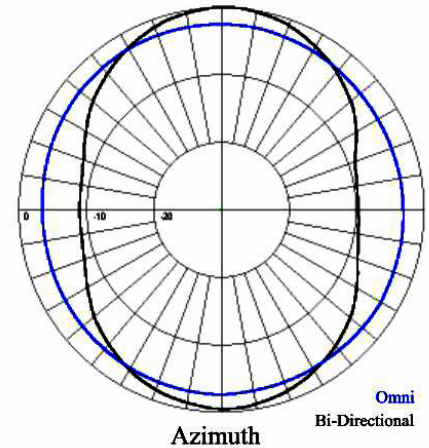
*1 : 5.5 dBd gain in bi-directional

Mechanical Specifications

Width	in (mm)	30 (762)
Length/ Height	in (mm)	168 (4267)
Base pipe diameter	in (mm)	2.88 (73)
Base pipe mounting length	in (mm)	60 (1524)
Weight	lbs (kg)	47 (21.34)
Mounting configurations		top mount
Mounting hardware		clamps not supplied

Environmental Specifications

Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	4.34 (0.4)
Wind Loading Area (1/2" ice)	ft² (m²)	7.2 (0.67)
Rated wind velocity (no ice)	mph (km/h)	125 (201)
Rated wind velocity (1/2" radial ice)	mph (km/h)	95 (153)
Lateral thrust (100 mph No Ice)	lbs (N)	138 (613.8)



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