

SD2352-SF2PALDF(D00B) Dual array, exposed dipole, 6 dBd/8.5 dBd, field adj, low PIM, 138-174 MHz

- Perfectly suited for multicoupled systems due to it's broad band operation.
- Field adjustable pattern - omni-directional or bi-directional.
- Low PIM rating for multi channel site operation.

The SD2352-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 SD2352 covers the entire 138-174 MHz frequency sub bands, it is ideally suited for use in multicoupled systems.



Antenna may not appear exactly as shown in image.

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Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Product Specification Sheet EPR 018489		SD2352-SF2PALDF(D00B)	Issue: 5	Dated: 21-08-23 Dated: 21-08-23

Electrical Specifications

Frequency Range	MHz	138 to 174	
Bandwidth	MHz	36	
Connector		7/16 DIN-Female	
Gain (nominal)	dBd (dBi)	6 (8.1)	*1
Input VSWR (max)		1.5:1	
Polarization		vertical	
Impedance	Ω	50	
Pattern		Omni or Bi-directional, Adjustable	
Vertical beamwidth (typ)	degrees	16	
Average Input Power (max)	W	300	
Passive intermod. (2x20W, 3rd ord.)	dBc	-150	
Grounding		All metal parts DC-grounded	
Electrical tilt (available)		0,2,4,6, or 8 degree	

Notes

- *1 : 8.5 in bi-directional pattern
- *2 : Qty 2

Mechanical Specifications

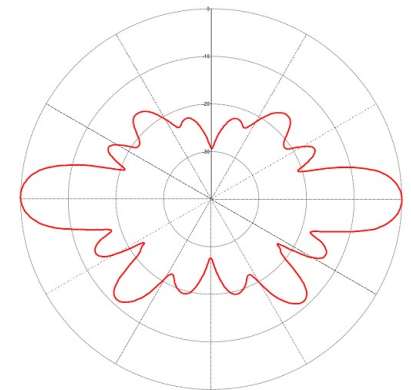
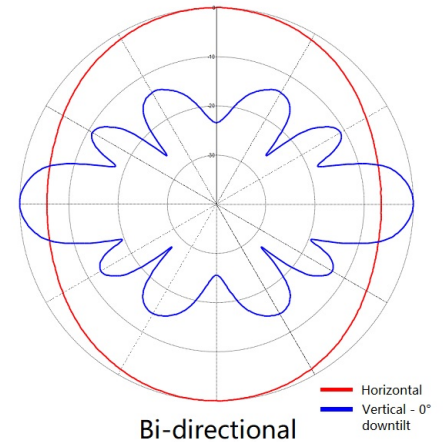
Width	in (mm)	30.25 (768)	
Depth	in (mm)	30.25 (768)	
Length/ Height	in (mm)	240 (6096)	
Base pipe diameter	in (mm)	3.5 (89)	
Base pipe mounting length	in (mm)	60 (1524)	
Radiating element material		aluminum	
Base pipe material		aluminum	
Weight	lbs (kg)	74 (33.6)	
Weight iced (1/2" ice)	lbs (kg)	162 (73.55)	
Mounting Hardware (Optional)		Clamp147, Clamp005, or Clamp015	*2
Mounting configurations		top mount	
Shipping dimensions	in (mm)	240x36x12 (6096x914x305)	

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	7 (0.65)
Wind Loading Area (1/2" ice)	ft² (m²)	11.4 (1.06)
Rated wind velocity (no ice)	mph (km/h)	130 (209)
Rated wind velocity (1/2" radial ice)	mph (km/h)	100 (161)
Lateral Thrust (100 mph No Ice)	lbs (N)	267 (1187.6)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	1464 (1976.4)
Tip deflection (100 mph No Ice)	degrees	1.6

Ordering Information

Clamps not included - site specific hardware required for this antenna



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