

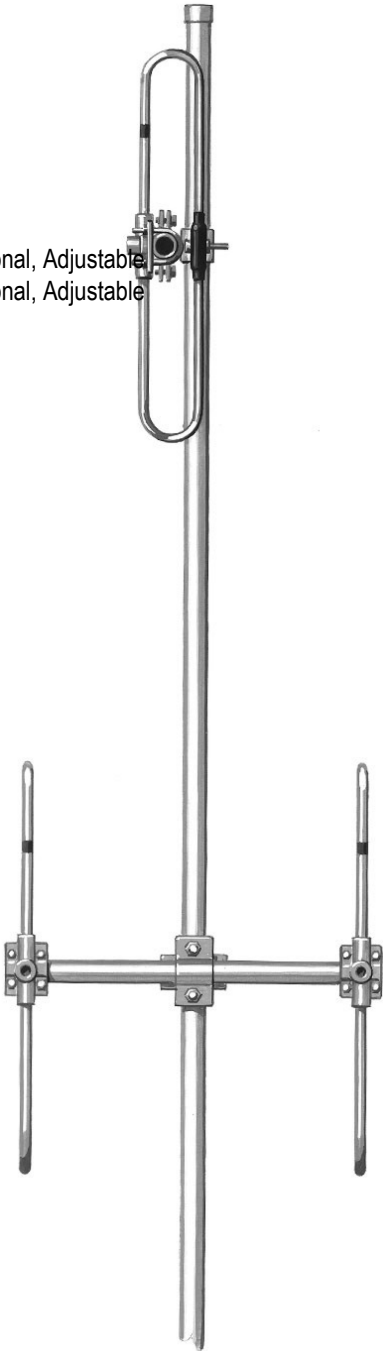
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[< Family](#)

SD235 Exposed dipole antenna array, 3/5.5 dBd gain, field adjustable, 118-174 MHz

- Perfectly suited for multicoupled systems due to its broad band
- Field adjustable to allow for either omni-directional or bidirectional pattern
- Low PIM and heavy duty models available

The SD235 is a highly versatile broadband antenna featuring omni-directional or bidirectional pattern coverage. The pattern may be easily changed in the field. Because the SD235 covers the entire 118-138 and 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.

Model	Description	Pattern
SD235-SF1PASNM	3/5.5 dBd gain, N (male) connector, 118-138 MHz	Omni or Bi-directional, Adjustable
SD235-SF2PASNM	3/5.5 dBd gain, N (male) connector, 138-174 MHz	Omni or Bi-directional, Adjustable



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Product Specification Sheet		SD235	Dated: 05-02-10	

SD235-SF1PASNM

SD235-SF2PASNM

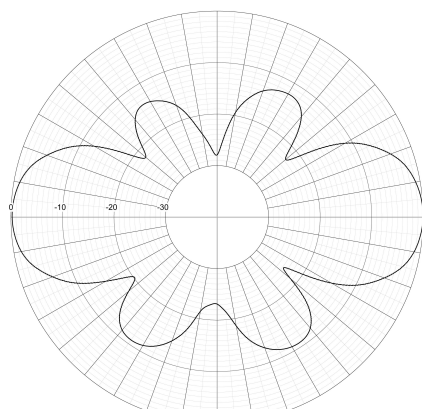
Electrical Specifications

Frequency Range, MHz	118 to 138	138 to 174
Gain (nominal), dBd (dBi)	3 (5.1)	3 (5.1)
Input VSWR (max)	1.5:1	1.5:1
Polarization	vertical	vertical
Pattern	Omni or Bi-directional, Adjustable	Omni or Bi-directional, Adjustable
Horizontal beamwidth, degrees	80	80
Vertical beamwidth, degrees	36	36
Average Power Input (max), W	300	300
Lightning protection	DC ground	DC ground

Mechanical Specifications

Connector	N (male)	N (male)
Length/ Height, in (mm)	192 (4877)	168 (4267)
Width, in (mm)	30 (762)	30 (762)
Depth, in (mm)	30 (762)	30 (762)
Base pipe diameter, in (mm)	1.9 (48)	1.9 (48)
Base pipe mounting length, in (mm)	48 (1219)	48 (1219)
Weight, lbs (kg)	25 (11.4)	25 (11.4)
Actual Shipping weight, lbs (kg)	85 (38.6)	85 (38.6)
Shipping dimensions, in (mm)	14x3x1feet ()	14x3x1 (356x76x25)

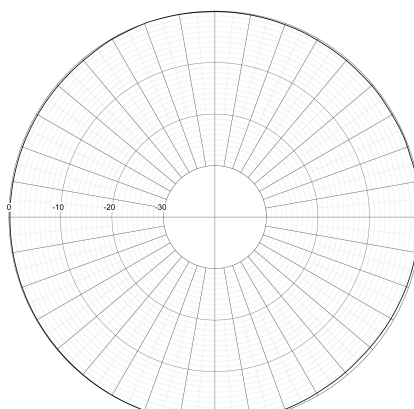
SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
Vertical
Relative Gain - 10 dB per Division

SD235-SF1PASNM

SINCLAIR TECHNOLOGIES



MEASURED RADIATION PATTERN
Horizontal
Relative Gain - 10 dB per Division

SD235-SF1PASNM

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