

SY303-SF4SNM(G05-ABK) Yagi directional, 5 dBd, black anodized, 315-350 MHz

- Rugged 3-element yagi
- 5 dBd gain over the 315-350 MHz band
- Design modified for medium-gain applications.
- Suitable for vertical or horizontal polarization.

The SY303 series of antennas consist of a 3-element yagi of outstanding durability and performance. All elements including the folded dipole are maintained at DC Ground potential for lightning protection. All elements on this antenna are attached to the boom with solid cast aluminum clamps.

As with other yagis, this UHF antenna can be mounted either horizontally or vertically.

www.sinctech.com

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
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Electrical Specifications

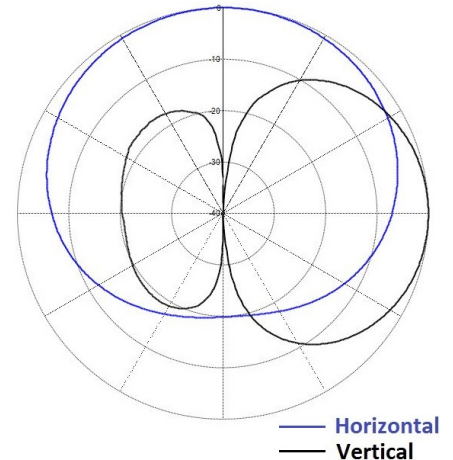
Frequency Range	MHz	315 to 350
Bandwidth	MHz	35
Connector		N-Male
Gain (nominal)	dBd (dBi)	5 (7.1)
Input VSWR (max)		1.5:1
Polarization		vertical or horizontal
Impedance	Ω	50
Pattern		Directional
Horizontal beamwidth (typ)	degrees	118
Vertical beamwidth (typ)	degrees	66
Average Power Input (max)	W	250
Lightning protection		DC ground
Front-to-back ratio (typ)	dB	17

Mechanical Specifications

Width	in (mm)	18.96 (482)
Depth	in (mm)	5.1 (130)
Length/ Height	in (mm)	14.5 (368)
Radiating element material		aluminum
Reflector material		aluminum
Finish		anodize (black)
Weight	lbs (kg)	1.41 (0.64)
Mounting Hardware (Included)		Clamp115
Actual shipping weight	lbs (kg)	4.5 (2.04)
Shipping dimensions	in (mm)	18x6x6 (457x152x152)
Boom Diameter	in (mm)	0.84 (21)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	0.2 (0.02)
Wind Loading Area (1/2" ice)	ft² (m²)	0.51 (0.05)
Rated wind velocity (no ice)	mph (km/h)	185 (298)
Rated wind velocity (1/2" radial ice)	mph (km/h)	108 (174)
Lateral thrust (100 mph No Ice)	lbs (N)	7.6 (33.8)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	3.9 (5.3)



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