

SY203-SF9SNM(E-ABK) Yagi directional, 5.5 dBd, extended boom for end mount, 130-136 MHz

- Rugged 3 element yagi, 5.5 dBd gain
- Designed for medium gain applications
- Black Anodized
- Extended boom for end mounting

The SY203-(E) 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.

This highly versatile antenna is supplied as an end mount yagi, or the SY203 series can be ordered as a center mount.

As with other Yagis, this VHF antenna is available in multiple-unit arrays for added gain.



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

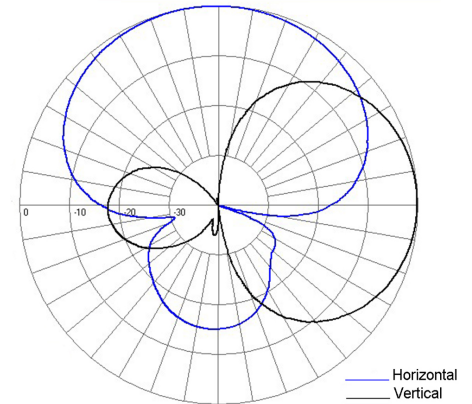
Frequency Range	MHz	130 to 136
Bandwidth	MHz	6
Connector		N-Male
Gain (nominal)	dBd (dBi)	5.5 (7.6)
Input VSWR (max)		1.5:1
Polarization		vertical or horizontal
Impedance	Ω	50
Pattern		Directional
Horizontal beamwidth (typ)	degrees	87
Vertical beamwidth (typ)	degrees	61
Average Input Power (max)	W	200
Front-to-back Ratio	dB	12 to 17
Lightning protection		DC ground

Mechanical Specifications

Width	in (mm)	44.38 (1127)
Depth	in (mm)	6.5 (165)
Length/ Height	in (mm)	70.31 (1786)
Boom Diameter	in (mm)	1.5 (38)
Radiating element material		aluminum
Reflector material		aluminum
Finish		anodize (black)
Weight	lbs (kg)	5.5 (2.5)
Mounting Hardware (Included)		Clamp001
Actual shipping weight	lbs (kg)	14 (6.36)
Shipping dimensions	in (mm)	85x6x6 (2159x152x152)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.1 (0.1)
Wind Loading Area (1/2" ice)	ft² (m²)	2.2 (0.2)
Rated wind velocity (no ice)	mph (km/h)	145 (233)
Rated wind velocity (1/2" radial ice)	mph (km/h)	100 (161)
Lateral Thrust (100 mph No Ice)	lbs (N)	40 (177.9)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	127 (171.5)



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