

SY203-SF5SNM(E-ABK) Yagi directional, 5.5 dBd, extended boom for end mount, 157-164 MHz

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

The SY203-EB 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
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### Electrical Specifications

Frequency Range	MHz	157 to 164	
Bandwidth	MHz	7	
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	*1
Vertical beamwidth (typ)	degrees	61	
Average Power Input (max)	W	200	
Front-to-back Ratio	dB	12 to 17	
Lightning protection		DC ground	

### Notes

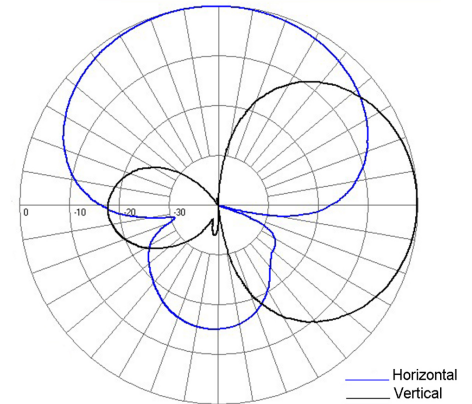
\*1 : 87-98 degrees

### Mechanical Specifications

Depth	in (mm)	6.5 (165)
Length/ Height	in (mm)	75.3 (1913)
Width	in (mm)	42 (1067)
Radiating element material		aluminum
Reflector material		aluminum
Weight	lbs (kg)	5.5 (2.5)
Finish		anodize (black)
Mounting Hardware (Standard)		Clamp001
Actual Shipping weight	lbs (kg)	10 (4.54)
Shipping dimensions	in (mm)	85x60x6 (2159x1524x152)
Boom Diameter	in (mm)	1.5 (38)

### Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.05 (0.1)
Wind Loading Area (1/2" ice)	ft² (m²)	2.1 (0.2)
Rated wind velocity (no ice)	mph (km/h)	135 (217)
Rated wind velocity (1/2" radial ice)	mph (km/h)	90 (145)
Lateral thrust (100 mph No Ice)	lbs (N)	38.7 (172.1)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	126 (170.1)



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