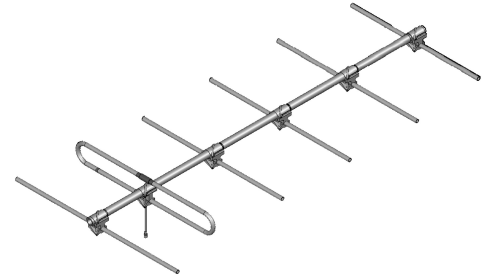


SY206-SF10SNM(C) Yagi directional, center mount, 9.5 dBd, 108-118 MHz

- Six element Yagi
- Center mount
- DC grounded for lightning protection
- End caps on the elements and directors

The SY206 series of antennas consists of a six elements 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 a standard center mount yagi.



Application Notes

- Specifications based on antenna being horizontally polarized.

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
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

Electrical Specifications

Frequency Range	MHz	108 to 118
Bandwidth	MHz	10
Connector		N-Male
Gain (nominal)	dBd (dBi)	9.5 (11.6)
Input VSWR (max)		2:1
Polarization		vertical or horizontal
Pattern		Directional
Horizontal beamwidth (typ)	degrees	48
Vertical beamwidth (typ)	degrees	56
Average Power Input (max)	W	200
Lightning protection		DC ground
Front-to-back ratio (typ)	dB	12

Notes

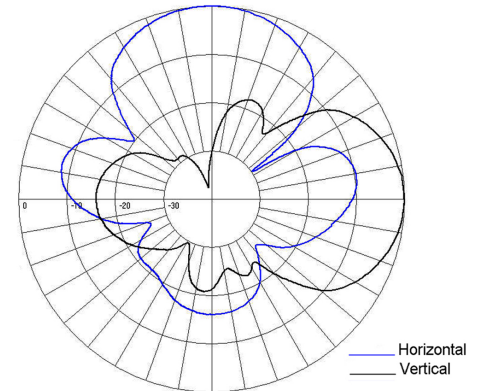
*1 : at center mount

Mechanical Specifications

Width	in (mm)	53 (1346)
Depth	in (mm)	6 (152)
Length/ Height	in (mm)	109 (2769)
Radiating element material		aluminum
Reflector material		aluminum
Weight	lbs (kg)	37.6 (17.07)
Mounting Hardware (Included)		Clamp001
Actual shipping weight	lbs (kg)	59.5 (27.01)
Shipping dimensions	in (mm)	112x54x7 (2845x1372x178)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft ² (m ²)	2.44 (0.23)
Wind Loading Area (1/2" ice)	ft ² (m ²)	4.41 (0.41)
Rated wind velocity (no ice)	mph (km/h)	115 (185)
Rated wind velocity (1/2" radial ice)	mph (km/h)	95 (153)
Lateral thrust (100 mph No Ice)	lbs (N)	120 (533.8)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	95 (128.3)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	141 (190.4)



*1

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