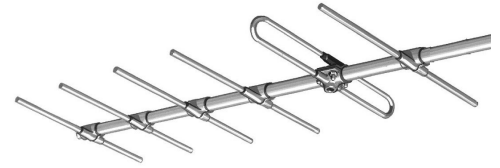


SY206-SF11SN(X)(U-ABK) Yagi directional, universal mount, 9.5 dBd, black anodized, 217-225 MHz

- Six element yagi with outstanding durability and performance
- DC ground potential for lightning protection
- Black anodized for corrosion resistance
- Center or end mounting

The SY206 antenna consists of a six-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 can be mounted as a center or end-boom mounted unit. As with other yagis, this VHF antenna is available in multiple-unit arrays for added gain. Horizontally or vertically parallel kits of 'H' frames can readily be supplied to mount two or four yagis with a common feed.



Non black anodized version shown

When ordering, please refer to the chart below for the model number.

Model number	Connector	Finish
SY206-SF11SNM(U-ABK)	N(M)	-
SY206-SF11SNF(U-ABK)	N(F)	-

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Electrical Specifications

Frequency Range	MHz	217 to 225	
Bandwidth	MHz	8	
Connector		Various options avail.	*1
Gain (nominal)	dBd (dBi)	9.5 (11.6)	
Input VSWR (max)		1.5:1	
Polarization		vertical or horizontal	
Impedance	Ω	50	
Pattern		Directional	
Horizontal beamwidth (typ)	degrees	54	
Vertical beamwidth (typ)	degrees	44	
Average Input Power (max)	W	200	
Front-to-back ratio (Typ)	dB	17	
Lightning protection		DC ground	

Notes

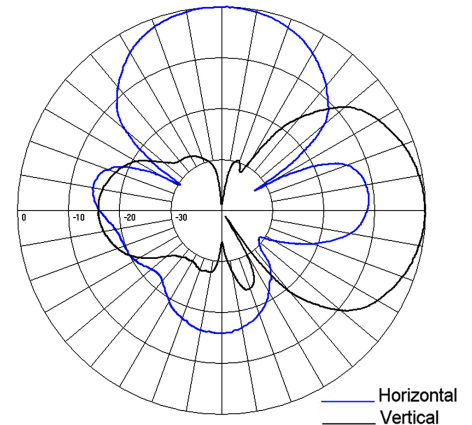
*1 : See previous page for details.

Mechanical Specifications

Width	in (mm)	26.75 (679)
Depth	in (mm)	5.25 (133)
Length/ Height	in (mm)	63 (1600)
Base pipe diameter	in (mm)	1.5 (38)
Radiating element material		aluminum
Reflector material		aluminum
Finish		anodize (black)
Weight	lbs (kg)	6.5 (2.95)
Mounting Hardware (Included)		Clamp001
Mounting configurations		universal
Actual shipping weight	lbs (kg)	11 (4.99)
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)	135 (217)
Rated wind velocity (1/2" radial ice)	mph (km/h)	90 (145)
Lateral Thrust (100 mph No Ice)	lbs (N)	81 (360.3)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	216 (291.6)



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