

Antennas Low Band, Aviation, and VHF Antennas SY206(E)-H Series

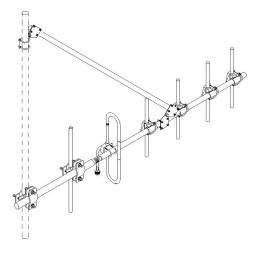
SY206-HF2SNM(E-MABK)

Yagi directional, 9.5 dBd, extended boom, HD, MABK, 152-159 MHz

- · Six element Yagi with extended boom for end mount
- Heavy duty construction for harsh environment
- DC ground potential for lightning protection
- MIL-A-8625F, Type III, Class 2 black anodizing

The SY206(E)-H series of antennas 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 is supplied with an extended boom for end mounting the antenna.



Mounting pole not supplied

United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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eet	SY206-HF2SNM(E-MABK)	Issue: 2	Dated: 23-03-17 Dated: 23-03-17
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Electrical Specifications	
Frequency Range	MHz

Bandwidth	MHz	7		
Connector		N-Male		
Gain (nominal)	dBd (dBi)	9.5 (11.6)		
Input VSWR (max)		1.5:1		
Polarization	vertical or horizontal			
Pattern	Directional			
Horizontal beamwidth (Vert. Pol.)	degrees	60		
Vertical beamwidth (Vert. Pol.)	degrees	47		
Average Power Input (max)	W	250		
Lightning protection	DC ground			
Front-to-back ratio (typ)	dB	17		

152 to 159

Notes

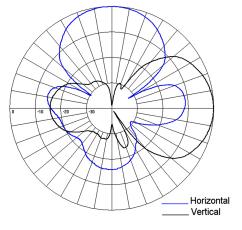
*1 : Clamp017 Qty. 1, Clamp064 Qty. 2

Mechanical Specifications

Width	in (mm)	39.4 (1001)		
Length/ Height	in (mm)	106 (2692)		
Radiating element material	aluminum			
Reflector material	aluminum			
Finish	MIL-A-8625F Type III Class 2, black anodizing			
Weight	lbs (kg)	os (kg) 18.4 (8.35)		
Weight iced (1/2" ice)	lbs (kg)	51.9 (23.56)		
Mounting Hardware (Included)	Clamp017 and Clamp064		*1	

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	2.2 (0.2)
Wind Loading Area (1/2" ice)	ft ² (m ²)	3.9 (0.36)
Rated wind velocity (no ice)	mph (km/h)	140 (225)
Rated wind velocity (1/2" radial ice)	mph (km/h)	100 (161)
Lateral thrust (100 mph No Ice)	lbs (N)	83 (369.2)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	441 (595.4)



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Product Specification Sheet EPR 017631		SY206-HF2SNM(E-MABK)	Issue: 2	Dated: 23-03-17 Dated: 23-03-17	
Customer Tech Manual 006719		Sinclair's commitment to product leadership may result in improvement or change to this product			

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