

SY250-SF2SNM(E) Yagi directional, extended boom for end mount, 7 dBd, 138-174 MHz

Also referred as: SRL250EB

- Extended boom for end mounting
- Extremely wide bandwidth makes these antennas an excellent stocking item
- Specially designed for applications requiring extra broadband operation

The extremely wide bandwidth of the SY250 series makes it practical to stock these antennas for fast replacement use in any part of the 138-174 MHz band. Dual and quad arrays are available to meet your needs for higher gain, providing 9.5 and 12.0 dB gain respectively. The SY250 is also available for center boom mounting.



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	138 to 174	
Bandwidth	MHz	36	
Connector		N-Male	
Gain (nominal)	dBd (dBi)	7 (9.1)	
Input VSWR (max)		2:1	
Polarization		vertical or horizontal	
Pattern		Directional	
Horizontal beamwidth (typ)	degrees	80	
Vertical beamwidth (typ)	degrees	60	
Average Power Input (max)	W	200	
Front-to-back ratio (typ)	dB	20	*1

Notes

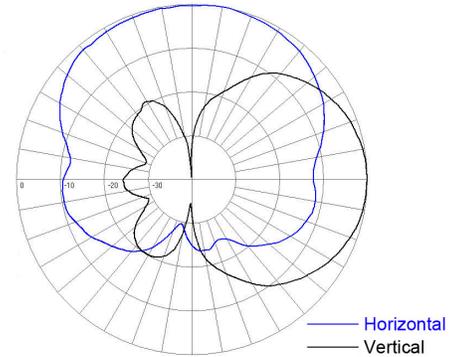
*1 : Typical

Mechanical Specifications

Width	in (mm)	42 (1067)
Depth	in (mm)	5 (127)
Length/ Height	in (mm)	108 (2743)
Base pipe diameter	in (mm)	1.9 (48)
Weight	lbs (kg)	13.9 (6.31)
Mounting Hardware (Included)		Clamp008
Actual shipping weight	lbs (kg)	55 (24.97)
Shipping dimensions	in (mm)	111x7x44 (2819x178x1118)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft ² (m ²)	1.73 (0.16)
Wind Loading Area (1/2" ice)	ft ² (m ²)	3.37 (0.31)
Rated wind velocity (no ice)	mph (km/h)	155 (250)
Rated wind velocity (1/2" radial ice)	mph (km/h)	100 (161)
Lateral thrust (100 mph No Ice)	lbs (N)	69 (306.9)
Torsional moment (100 mph No Ice)	ft-lbs (Nm)	0 (0)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	96.3 (130)



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