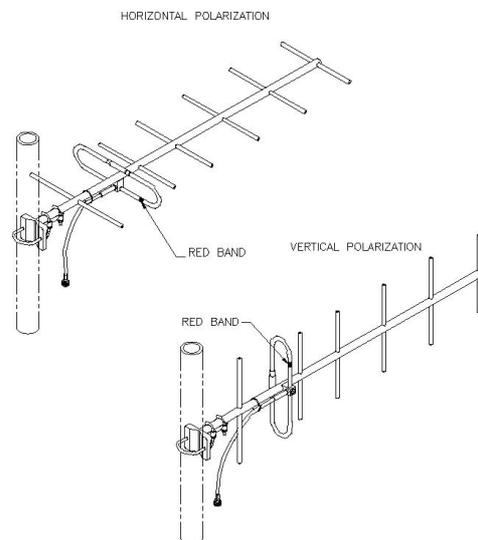


SY307-SF2SNM(ABK) Yagi directional, 10 dBd, black anodized, 430-450 MHz

Also referred as: SRL307NM*2

- Rugged 7-element 10 dBd gain yagi antenna.
- Reflector and director elements are 3/8 inch diameter aluminum rods.
- 360 degree welds to the boom and anodized for increased durability and extended life.

The SY307 is a rugged 7-element 10 dBd gain yagi antenna. Reflector and director elements are 3/8 inch diameter aluminum rods welded with 360 degree welds to the boom and anodized for increased durability and extended life.



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet EPR 017836		SY307-SF2SNM(ABK)	Issue: 85	Dated: 08-10-13 Dated: 01-10-13

Electrical Specifications

Frequency Range	MHz	430 to 450
Bandwidth	MHz	20
Connector		N-Male *1
Gain (nominal)	dBi (dBd)	12.1 (10)
Input VSWR (max)		1.5:1
Polarization		vertical or horizontal
Impedance	Ω	50
Pattern		Directional
Horizontal beamwidth (typ)	degrees	55
Vertical beamwidth (typ)	degrees	41
Average Power Input (max)	W	250
Lightning protection		DC ground
Front-to-back ratio (typ)	dB	20

Notes

*1 : NF& NM Available

Mechanical Specifications

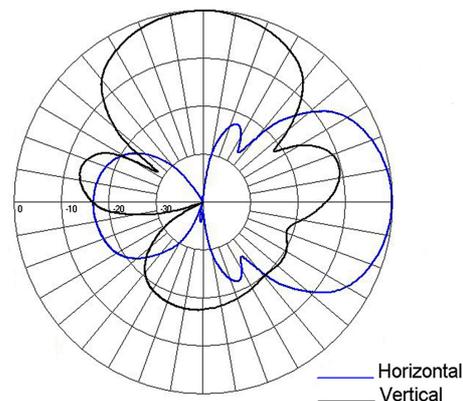
Depth	mm (in)	76 (3)
Length/ Height	mm (in)	1118 (44)
Width	mm (in)	363 (14.3)
Radiating element material		aluminum
Reflector material		aluminum
Weight	kg (lbs)	2.27 (5)
Finish		anodize black
Mounting Hardware (Standard)		Clamp115
Actual Shipping weight	kg (lbs)	5.45 (12)
Shipping dimensions	mm (in)	1194x152x457 (47x6x18)

Environmental Specifications

Temperature range	°C (°F)	-40 to +60 (-40 to +140)
Wind Loading Area (Flat Plate Equivalent)	m ² (ft ²)	0.04 (0.4)
Wind Loading Area (1/2" ice)	m ² (ft ²)	0.09 (1)
Rated wind velocity (no ice)	km/h (mph)	290 (180)
Rated wind velocity (1/2" radial ice)	km/h (mph)	177 (110)
Lateral thrust (100 mph No Ice)	N (lbs)	69.4 (15.6)
Bending moment (100 mph No Ice)	Nm (ft-lbs)	32.4 (24)

Ordering Information

Specify frequency of operation.



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