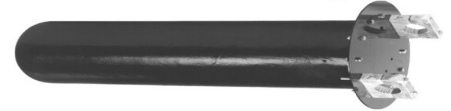


SY415R-HFXSNM Yagi, 12 dBd, radome enclosed, 902-956 MHz

- High gain, relatively wide band antenna in the 902-956 MHz range
- Designed for superior performance and versatility, this Yagi fills a variety of applications
- Radome enclosed for greater resistance to harsh environments.

The SY415R series of Yagi antennas has been developed to meet the need for a high gain, relatively wide-band antenna in the 902-956 MHz range. Designed for superior performance and versatility, this Yagi fills a variety of application needs. It is also enclosed within a radome to offer greater resistance to harsh environments.



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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

Electrical Specifications

Frequency Range	MHz	902 to 956	
Connector		N-Male	
Gain (nominal)	dBd (dBi)	12 (14.1)	
VSWR (max)		1.5:1	
Polarization		vertical or horizontal	
Impedance	Ω	50	
Pattern		Directional	
Horizontal beamwidth (typ)	degrees	42	*1
Vertical beamwidth (typ)	degrees	37	*2
Average Power Input (max)	W	125	
Lightning protection		DC ground	
Front-to-back ratio (typ)	dB	20	

Notes

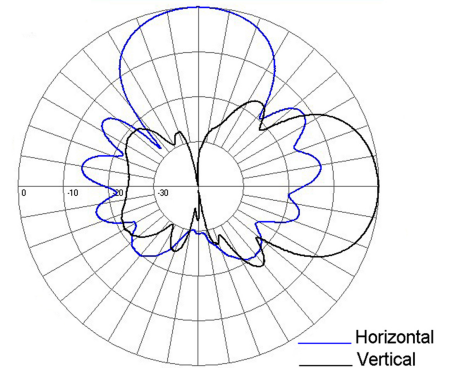
- *1 : Vertically polarized
- *2 : Vertically polarized

Mechanical Specifications

Width	in (mm)	11.5 (292)
Depth	in (mm)	11.5 (292)
Length/ Height	in (mm)	34.13 (867)
Base pipe diameter	in (mm)	2.38 (60)
Base pipe mounting length	in (mm)	10.25 (260)
Radiating element material		brass
Radome material		fiberglass
Weight	lbs (kg)	7.5 (3.41)
Weight iced (1/2" ice)	lbs (kg)	27.7 (12.58)
Mounting Hardware (Included)		Clamp002B
Actual shipping weight	lbs (kg)	16 (7.26)
Shipping dimensions	in (mm)	18x12x39 (457x305x991)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (Flat Plate Equivalent)	ft² (m²)	1.42 (0.13)
Wind Loading Area (1/2" ice)	ft² (m²)	1.77 (0.16)
Rated wind velocity (no ice)	mph (km/h)	195 (314)
Rated wind velocity (1/2" radial ice)	mph (km/h)	175 (282)
Lateral thrust (100 mph No Ice)	lbs (N)	49.9 (222)
Bending moment (100 mph No Ice)	ft-lbs (Nm)	69 (93.2)



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