

SY406R-HF1SN(X) Yagi directional, 10 dBd, radome, HD, 806-870 MHz

Also referred as: SRL406RCHD*1

- Radome-enclosed for harsh environment application
- Internal elements 360 degree welded for durability and reliability
- 10 dBd gain with low VSWR for high performance
- Vertical or horizontal polarization

The SY406R is a radome-enclosed version of the SY406 available from 746-960 MHz. The SY406R has been developed to meet the needs for a high gain, broadband, top quality directional antenna in the 746-960 MHz frequency range. Rugged clamps ensure the longevity of the antenna, and the heavy-duty radome not only protects the antenna from the elements but also reduces the negative effect of icing on the radiating patterns when used in cold climates. The SY406R provides 10 dBd gain with a low VSWR. Designed for high performance, versatility and ease of installation, the SY406R will fill a wide variety of requirements. All elements are at DC ground potential for lightning protection.

Model Name	Connector
SY406R-HF1SNM	N-type (male)
SY406R-HF1SNF	N-type (female)



Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+1 905 727 0165 ext 232	Canada: 1 905 726 7676 International: +1 905 726 7676	+1 905 727 0165 ext 287
E-mail	salesusa@sinctech.com	salesemea@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Electrical Specifications

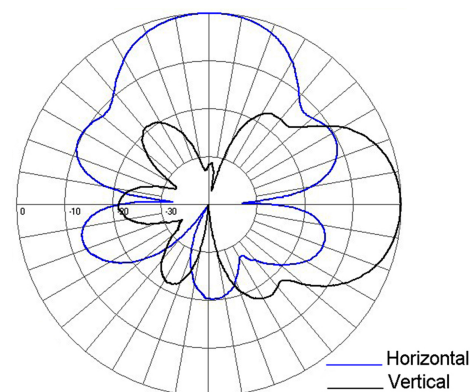
Frequency Range	MHz	806 to 870
Bandwidth	MHz	64
Gain (nominal)	dBd (dBi)	10 (12.1)
Input VSWR (max)		1.5:1
Polarization		vertical or horizontal
Pattern		Directional
Horizontal beamwidth (typ)	degrees	46
Vertical beamwidth (typ)	degrees	41
Average Input Power (max)	W	125
Front-to-back ratio (typ)	dB	20
Grounding		All metal parts DC-grounded

Mechanical Specifications

Width	in (mm)	11.5 (292)
Length/ Height	in (mm)	31 (787)
Weight	lbs (kg)	18 (8.17)
Mounting Hardware (Included)		Clamp002B
Actual shipping weight	lbs (kg)	20 (9.08)
Shipping dimensions	in (mm)	12x16x37 (305x406x940)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
Wind Loading Area (1/2" ice)	ft² (m²)	1.4 (0.13)
Rated wind velocity (no ice)	mph (km/h)	150 (242)
Rated wind velocity (1/2" radial ice)	mph (km/h)	110 (177)



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