

## SY415

Yagi directional antenna, 12 dBd gain, 902-956 MHz

- High gain, wide band antenna in the 902-956 MHz range
- Can be stacked for additional gain

The SY415 series of Yagi antennas were developed to meet the need for a high gain, relatively wide-band antenna in the 928-956 MHz range. Designed for superior performance and versatility, this 11-element Yagi fills a variety of application needs.

Model	Description	Pattern
<a href="#">SY415-SFXSNM</a>	12 dBd gain, N (male) connector, 902-956 MHz	Directional



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Product Specification Sheet		SY415		Dated: 05-02-10

SY415-SFXSNM

**Electrical Specifications**

Frequency Range, MHz	902 to 956
Gain (nominal), dBd (dBi)	12 (14.1)
Input VSWR (max)	1.5:1
Polarization	vertical or horizontal
Pattern	Directional
Horizontal beamwidth, degrees	42
Vertical beamwidth, degrees	37
Average Power Input (max), W	125
Lightning protection	DC ground
Bandwidth, MHz	54
Front-to-back ratio (typ), dB	20

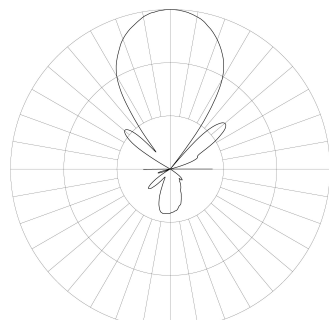
**Mechanical Specifications**

Connector	N (male)
Length/ Height, in (mm)	37.5 (953)
Width, in (mm)	6.4 (163)
Weight, lbs (kg)	2.7 (1.2)
Actual Shipping weight, lbs (kg)	5 (2.3)
Shipping dimensions, in (mm)	47x6x18 (1194x152x457)

**Environmental Specifications**

Temperature range, °F (°C)	-22 to +140 (-30 to +60)
Wind Loading Area (Flat Plate Equivalent), ft² (m²)	0.2 (0.02)

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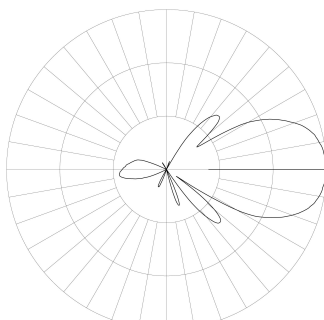
MEASURED RADIATION PATTERN  
VERTICAL POLARIZATION

Azimuth

Relative Gain - 10 dB per Division

SY415-SFXSNM

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MEASURED RADIATION PATTERN  
VERTICAL POLARIZATION

Elevation

Relative Gain - 10 dB per Division

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