



BSY890K antenna (top) and BWC1001A mount (inset)

## Yagi Antennas, 890-960 MHz, 10 dBd gain

The BSY890K has been engineered to meet the highest requirements for an extremely rugged, high gain, premium quality antenna. This antenna provides 10 dBd gain and operates in the 890-960 MHz range. The BSY890K features all welded construction, 6061-T6 material with a heavy gauge 1 1/2" Schedule 40 boom for increased strength to withstand extreme ice and snow, wind and other extreme weather conditions. Entire frame assembly is PTFE coated to minimize ice buildup and comes with a variety of connector and cable options.

### Features

- Elements and boom are manufactured from aircraft quality 6061-T6 aluminum for optimum strength
- Fully welded construction for maximum reliability and low intermod properties
- Oversized heavy gauge boom
- Double gussets for maximum strength



### Technical Data

Maximum Power: 200 watts
Nominal Impedance: 50 ohms
Radiator Material: Aluminum 6061-T6
Mounting Method: Includes mounting hardware BWC1001A

### Antenna Electrical Specifications

Model	Frequency Range	-3 dB Horizontal Beamwidth	-3 dB Vertical Beamwidth	Front to Back Ratio	Nominal Gain
BSY890K series	890-960 MHz	56°	46°	20 dB	10 dBd

### Mechanical Specifications

Model	Dimensions* (L x W)	Weight (Mass)	Cross Sectional Area	Lateral Thrust @ 100 mph	Rated Wind Velocity**
BSY890K5502N1	24" x 6.8"	2 lbs	0.24 ft <sup>2</sup>	6 lbs	125 mph
BSY890K5502N4	24" x 6.8"	2 lbs	0.24 ft <sup>2</sup>	6 lbs	125 mph
BSY890K5530N1	24" x 6.8"	2 lbs	0.24 ft <sup>2</sup>	6 lbs	125 mph

Model	Elements	Cable Type	Cable Length	Connector Type
BSY890K5502N1	7	RG213	2 ft	N male
BSY890K5502N4	7	RG213	2 ft	N female
BSY890K5530N1	7	RG213	30 ft	N male

\* Dimension does not include antenna cable

\*\*120 mph with 1/2" radial ice (mph)