



This antenna is available upon request.
Also see similar 80° design
V7C-680

SA14-78

78° Azimuth Beam, 72.5 inches

Directing our energies for you.

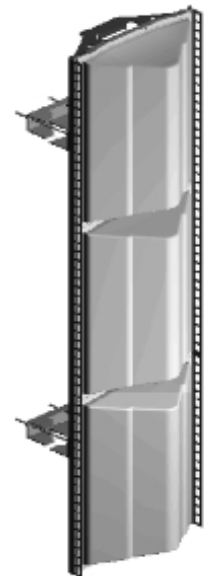
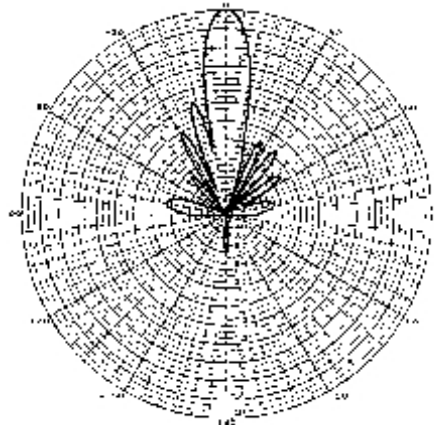
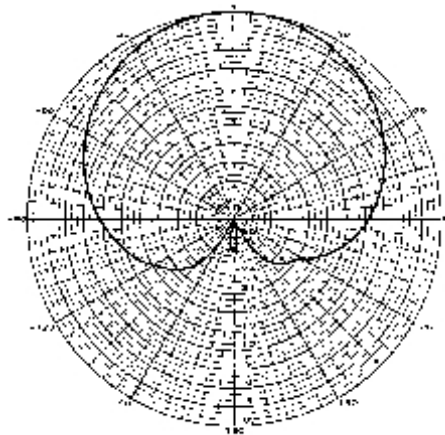
824-896 MHz Band

Electrical Specifications

| | |
|------------------------------|-------------------|
| Frequency | 824-896 MHz |
| Polarization | Vertical |
| Gain | 14.2 dBd |
| Horizontal Beam (3dB Points) | 78° |
| Vertical Beam (3dB Points) | 11° |
| Electrical Downtilt Options | 0° |
| VSWR / Return Loss | <1.40:1 / 15.6 dB |
| Front-to-Back at Horizon | >27 dB |
| Upper Side Lobe Suppression | <-21 dB |
| Impedance | 50 Ohms |
| Power Input Per Connector | 500 Watts CW |
| Intermodulation (2x20W) | typ. -150 dBc |

Mechanical Specifications

| | |
|--------------------------------|--|
| Input Connector (female) | Back 7/16 DIN (silver finish) |
| Antenna Dimensions (LxWxD) | 72.5 x 14.5 x 9.0 in. (1841 x 368 x 229mm) |
| Antenna Weight | 27.5 lbs |
| Bracket Weight | 13.2 lbs |
| Lightning Protection | Direct Ground |
| RF Distribution | Silver Plated Brass |
| Radome | Ultra High-Strength Luran |
| Weatherability | UV Stabilized, ASTM D1925 |
| Radome Water Absorption | ASTM D570, 0.45% |
| Environmental | MIL-STD-810E |
| Wind Survival | 120 mph |
| Front Wind Load @ 100MPH | 190 lbs |
| Equivalent Flat Plate @ 100MPH | 3.88 sq-ft. (c=2) |
| Mounting Brackets | Fits 3.5 Inch Max. O.D. Pipe |
| Mechanical Downtilt Range | 0-12° |
| Clamps/Bolts | Hot Dip Galvanized Steel/Stainless Steel |



5 Year Warranty

Ordering Information & Options

SA14-78-x

"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0.

SA14-78-x-j#

add a "-j#" to add a 1/2" RF cable, where "#" is the cable length, "j2" is 2 meters, "j4" is 4 meters, "j6" is 6 meters...