116-400 MHz Bi-Conical Antenna

- Rugged design
- Instantaneous bandwidth of 100-400 MHz

**Model BCV-116**
Part # 1000-2087-401

**ELECTRICAL SPECIFICATIONS**

- **Frequency Range**: 116-400 MHz
- **VSWR**: 2.0:1 VSWR (2.5:1, 100-116 MHz) Typical
- **Forward Gain**: +1 to +5 dBi (frequency dependent)
- **Polarization**: Vertical
- **Maximum Power Input**: 200 Watts
- **Input Impedance**: 50 ohms
- **Vertical -3dB Beamwidth**: 90° +/- 20°
- **Horizontal -3dB Beamwidth**: 360°
- **Azimuth Ripple**: +/- .5 dB

**MECHANICAL & ENVIRONMENTAL SPECIFICATIONS**

- **Connector**: Type ‘N’ Female (1 each)
- **Mounting**: preliminary
- **Dimension and Weight**: 40 inches x 40 inches O.D. / < 30 lbs.
- **Color**: Gray Standard (Color Options Available)
- **Wind Survival**: 120 mph.
- **Lightning Protection**: Direct Ground

The BCV-116 antenna is a bi-conical antenna with an instantaneous frequency bandwidth of 100-400MHz. The antenna is made up of an aluminum central hub with 32 aluminum elements surrounding. The antenna mounts over a 2.5” IPS or 1.25” IPS pipe with adapter (provided).