Model A1520
Cavity Backed Spiral Antenna

Model A1520 has an extremely shallow non-loaded cavity and covers a 5:1 bandwidth efficiently and consistently. Matched sets may be specified to obtain required gain tracking. Its first installation was in a DF system in a relatively small aircraft, where the small size and low weight were valuable. Similar applications in airborne, ship and land mobile installations are directly adaptable.
# Model A1520 Cavity Backed Spiral Antenna

**KEY FEATURES:**
- Broad Bandwidth
- Airborne Application
- Directly Adaptable

**FREQUENCY RANGE:**
- 200 to 1000 GHz

**VSWR:**
- 2.0 : 1 nominal
- 2.5 : 1 max.

**GAIN:**
- -5 dBci at 200 MHz
- +1 dBci at 300 MHz
- +5 dBci at 1000 MHz

**3 dB BEAMWIDTH:**
- 75°

**POLARIZATION:**
- RHCP P/N: 02-101175-01
- LHCP P/N: 02-101175-02

**AXIAL RATIO:**
- 1 dB max

**RF POWER:**
- 2 Watts CW

**WEIGHT:**
- 10 lbs

**INPUT:**
- N female

**ENVIRONMENTAL SPECIFICATIONS:**
- AMIL-HDBK-5400