PRO-LINE feeds use a die cast quarter wave plate that does not have the losses commonly encountered when using DIELECTRIC PLATES in C and linear feeds. The increase in carrier to noise ratio is generally in the one dB range making the Pro-Line the clear leader in performance.

SPECIFICATIONS FOR C BAND

MODEL......................................... RP1 CP400-CKU*
F/D RANGE................................... 0.335 TO 0.425
FREQUENCY................................ 3.7 TO 4.2 GHz
VSWR ........................................ 1.45 AVERAGE OVER BAND
RF PORT...................................... WR-229
POLARIZATION ISOLATION..... 25 Db
POLARIZATION FORMAT....... CIRCULAR RHC/LHC LINEAR V/H
POLARIZATION OPERATION.... 3 WIRE SERVO TYPE + 5 VDC
ROTATION.............................. 180° ± 15° (3 wire servo)
MOUNTING.................. 3 & 4 HOLE PATTERN ¼" ON A 5.750" B.C.
PAINT TYPE.......................... POWDER COATED
PAINT COLOR............................ GRAY
WEIGHT........................................ 4.0 Lbs.

SPECIFICATIONS FOR KU BAND

MODEL......................................... RP1 CP400-CKU*
FREQUENCY.................. 10.95 TO 11.7 OF 11.7 TO 12.5 GHz
VSWR............................ 1.45 AVERAGE OVER BAND
RF PORT...................................... WR-75
POLARIZATION ISOLATION..... 25 Db
POLARIZATION FORMAT....... LINEAR V/H
POLARIZATION OPERATION.... C BAND MOTOR
ROTATION.............................. 180° ± 15° (3 wire servo)
MOUNTING.................. CO-BORSIGHT IN CENTER OF C BAND
FEATURES

- Upon request international broadband 10.95 - 12.5 GHz KU
- Feed made in the USA
- *Patented dual frequency microwave feed assembly
- Dual hybrid moding
- Controls "TI" interference
- No parts to install or change from one F/D ratio to another
- Gray powder coated paint and oven baked to 400° F
- Servo motor 100% tested
- Precision die cast quarter wave plates to obtain circular polarization corrections
- No loss of carrier to noise ratio due to a dielectric plate
- Precision waveguide flange with water tight gasket
- Precision 90° elbow built in
- Precision probe and probe holder are high performance and an exclusive A.D.L. design
- Thermal insulator between feed and servo motor helps eliminate motor freeze-up in cold weather and overheating in hot weather
- The motor mount pad is raised, helps prevent water from entering the feed
- Feed mounting holes are 1/4". One 4 hole pattern and one 3 hole pattern on a 5.75" B.C. All hole patterns are alphabetically marked
- No scalar ring to adjust