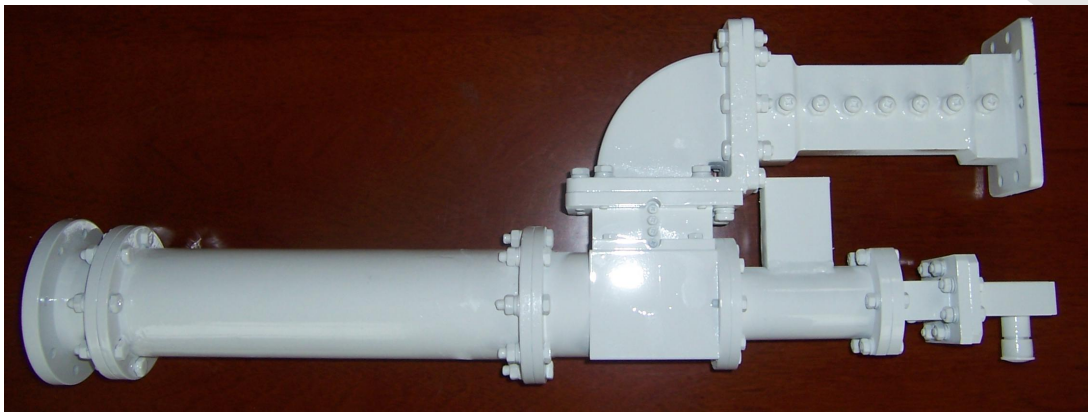


## STANDARD C BAND DIPLEXER(Circular POL)

### General Description:

Probecom Technologies designs, fabricates, and electrically tests waveguide filters and diplexers from 1-40 GHz for the commercial, military.

A full array of standard filters and diplexers is available for the various commercial and military frequency bands. Many are "off the shelf products". Custom designed filters and diplexers for specific customer applications are available.



### Technical Specification

| Operating Frequency, GHz   | TWO-PORT                       |                  |
|----------------------------|--------------------------------|------------------|
|                            | TX                             | RX               |
|                            | <b>5.85-6.425</b>              | <b>3.625-4.2</b> |
| Polarization               | Circular                       | Circular         |
| VSWR                       | 1.25:1                         | 1.25:1           |
| Axial Ratio                | 1.09:1                         | 1.30:1           |
| Insertion Loss, dB         | ≤0.2dB                         | ≤0.25dB          |
| Interface                  | CPR137F or N Type              | CPR229F          |
| Power Handling, KW         | 1                              |                  |
| Isolation, Tx to Rx, dB    | ≥85dB                          |                  |
| <b>Standard and Option</b> |                                |                  |
| Pressurization             | No or Customized               |                  |
| Material                   | Aluminum Casting or Customized |                  |
| Exterior                   | White paint or Customized      |                  |