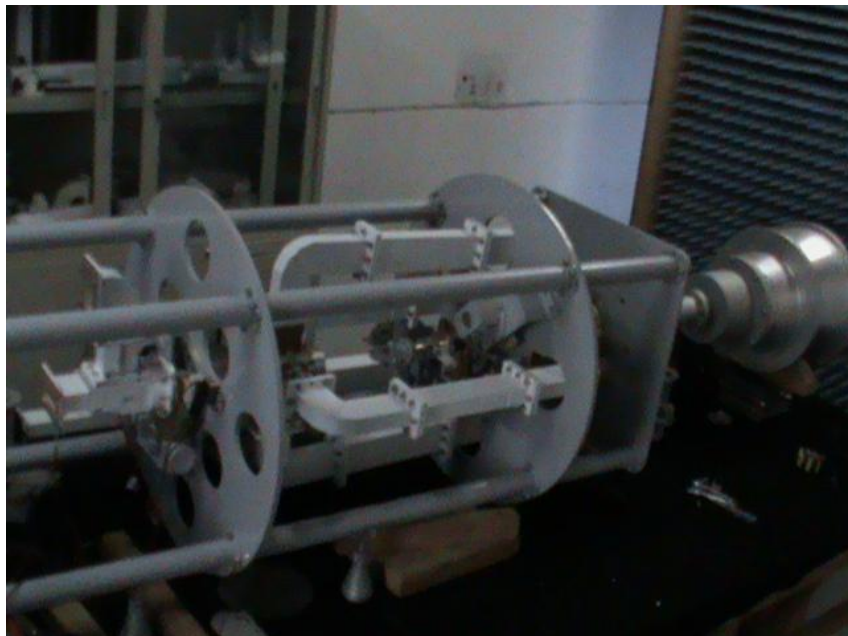


## CUSTOMER C BAND DIPLEXER(C&Ku)



### 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

	C/Ku Dual Band Network	
Operating Frequency, GHz	C	Ku
	3.4-4.2GHz	10.95-12.75GHz
Polarization	Dual Linear/Dual Circular (switchable)	Dual Linear
VSWR	1.30:1	1.30:1
Axial Ratio (Circular-Polarized)	1.06:1	
Interface	WR229	WR75
Insertion Loss, dB	≤0.3dB	≤0.5dB
Isolation	L/R-HCP=20dB H/V-POL=30dB	
XPD(linear)	≥35dB	
Standard and Option		
Pressurization	No or Customized	
Material	Copper Electroforming or Customized	
Exterior	White paint or Customized	