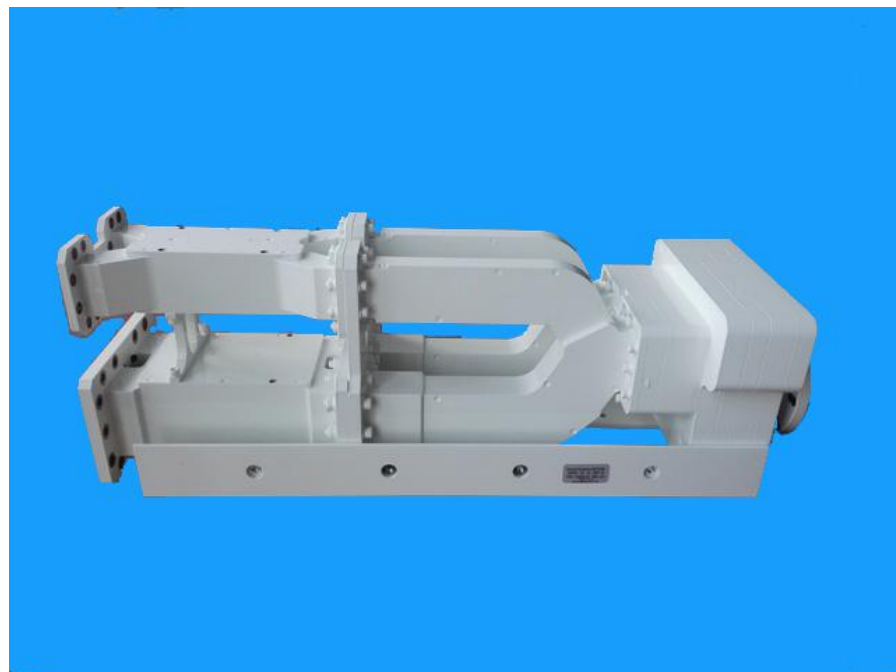


## EXTENDED C BAND DIPLEXER(Circular POL)



### 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

		FOUR-PORT	
Operating Frequency, GHz		<b>TX</b> <b>5.85-6.725</b>	<b>RX</b> <b>3.4-4.2</b>
Polarization		Circular	Circular
VSWR		1.30:1	1.30:1
Axial Ratio		1.06:1	1.06:1
Insertion Loss, dB		≤0.3dB	≤0.35dB
Interface		CPR137F	CPR229F
Power Handling, KW		1	
Isolation,	Tx to Rx, dB	≥85dB	
	Tx to Tx, dB	≥20dB	
	Rx to Rx, dB	≥20dB	
Standard and Option			
Pressurization		No or Customized	
Material		Copper Electroforming or Customized	
Exterior		White paint or Customized	