

## STANDARD KU BAND DIPLEXER(Linear 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>14.0-14.5</b>	<b>RX</b> <b>12.25-12.75</b>
Polarization	Linear	Linear
VSWR	1.25:1	1.25:1
Cross POL, dB	35	35
Insertion Loss, dB	≤0.5dB	≤0.5dB
Interface	WR75	WR75
Power Handling, KW	1	
Isolation,	Tx to Rx, dB	≥85dB
	Tx to Tx, dB	≥30dB
	Rx to Rx, dB	≥30dB
<b>Standard and Option</b>		
Pressurization	No or Customized	
Material	Copper or Customized	
Exterior	White paint or Customized	