

EXTENDED 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		TX	RX
		13.75-14.5	10.70-12.75
Polarization		Linear	Linear
VSWR		1.30:1	1.30:1
Cross POL, dB		35	35
Insertion Loss, dB		≤0.5dB	≤0.5dB
Interface		WR75	WR75
Power Handing, KW		1	
Isolation,	Tx to Rx, dB	≥85dB	
	Tx to Tx, dB	≥30dB	
	Rx to Rx, dB	≥30dB	
Standard and Option			
Pressurization		No or Customized	
Material		Copper or Customized	
Exterior		White paint or Customized	