



## 100W WR75 Waveguide Circulator 10-15GHz



- Wide band operation 10-15GHz
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient ferrite material offer stable performance over temperature
- Commercial Aerospace and military application
- High peak to average handle capability
- All specifications can be modified upon request

Parameter	Min	Type	Max	Units
Frequency Range	10-15			GHz
Insertion Loss			0.50	dB
Isolation	20			dB
(see Note 1 for formula between frequency, isolation and insertion loss)				
VSWR			1.25	:1
Forward Power (CW)			100	W
Size	L	W	H	
	1.57"	1.97"	1.50"	Inch
	40	50	38	mm
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Impedance	50			$\Omega$
Input /Output Connector	UBR 120 Waveguide COVER Flange 4 Holes Flat			
Finishing	conductive oxide (not painted)			
Case Material	Aluminum/copper			
Operational Temp.	-20		60	$^{\circ}\text{C}$
Storage Temp.	-40		85	$^{\circ}\text{C}$
Altitude	15000		TBD	ft.
Vibration	10g 15 degree 2KHz			RMS
Humidity	100% RH at 35c, 95%RH at 40 $^{\circ}\text{C}$			
Shock	20G for 11msc.			



# RF-LAMBDA

The power beyond expectations

RFWC75D

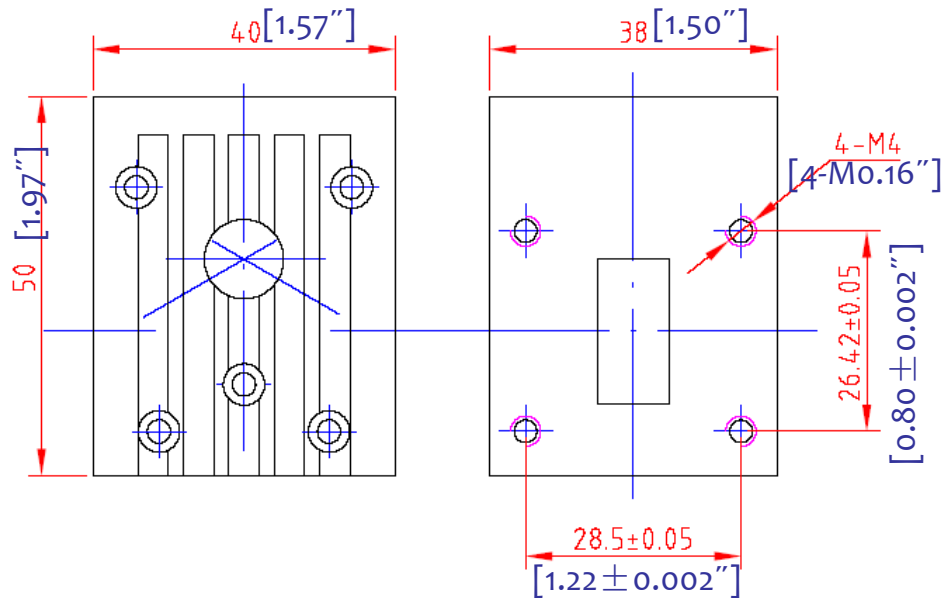
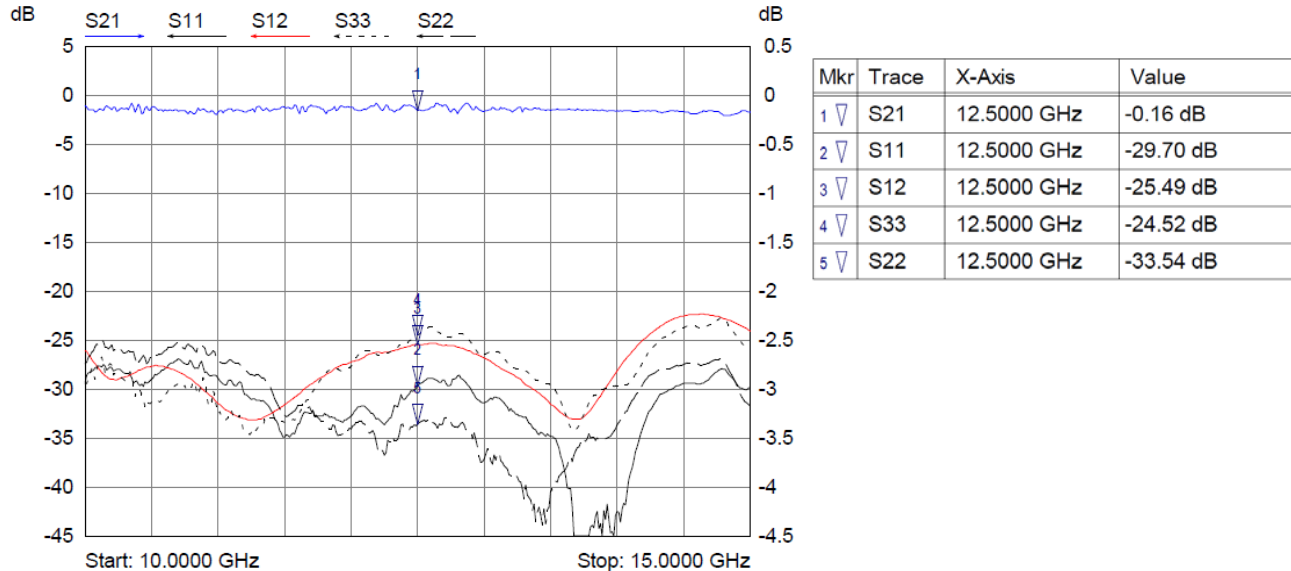
**Note:** Unit has narrow frequency bandwidth can achieve higher isolation & low insertion loss

**Bandwidth (5 ~10) % x Center Frequency (Isolation >25dB)**

**Bandwidth (20~30) % x Center Frequency (Isolation >20dB)**

**Bandwidth (40~60) % x Center Frequency (Isolation >17dB)**

**Ask manufacture for detail**



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