



WR34 Waveguide Circulator 22-33GHz 10W



- Wide band operation 22-33GHz
- 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

10W WR34 Waveguide Circulator 22-33GHz

Parameter	Min	Type	Max	Units
Frequency Range	22-33			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)			10	W
Size	L	W	H	
	0.83"	0.98"	0.83"	Inch
	21.1	25	21.1	mm
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Impedance	50			Ω
Flange type	UG 1530/U Waveguide COVER Flange 4 Holes Flat			
Finishing	conductive oxide (not painted)			
Case Material	Aluminum alloy			
Operational Temp.	-20		60	°C
Storage Temp.	-40		85	°C
Altitude	15000		TBD	ft.
Vibration	10g 15 degree 2KHz			RMS
Humidity	100% RH at 35c, 95%RH at 40°C			
Shock	20G for 11msc.			



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The power beyond expectations

RFWC34B

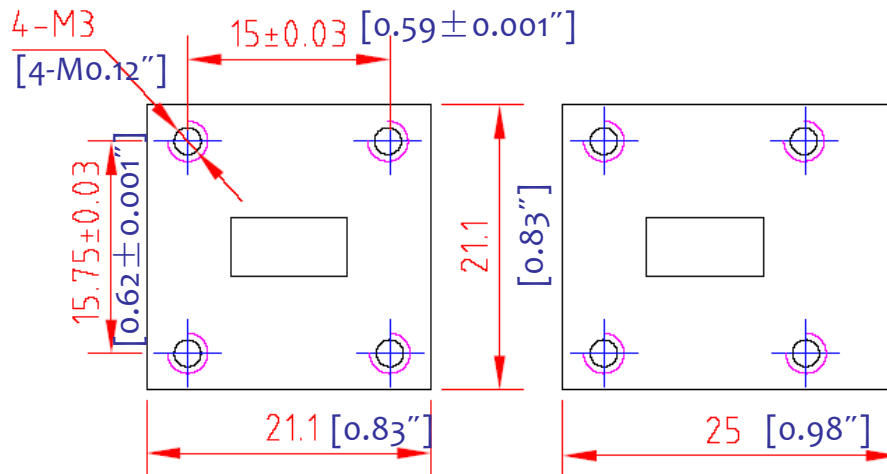
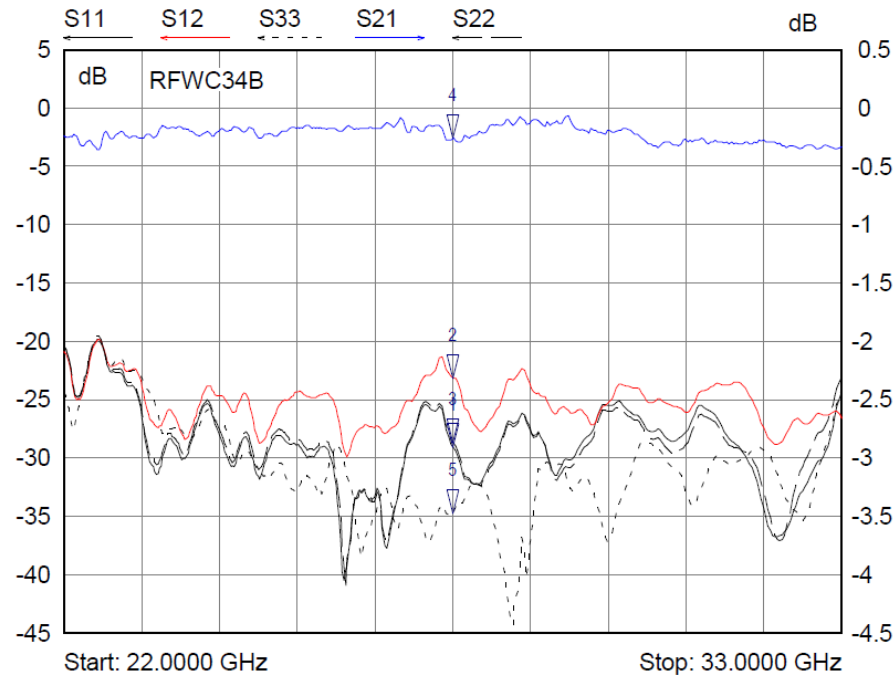
Note: Unit has narrow frequency bandwidth can achieve higher isolation & low insertion loss

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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