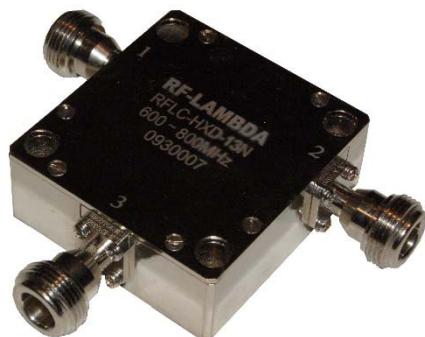




50W Wide Band Circulator 400-600MHz



- High power handle capability up to 50W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient ferrite material offer stable performance over temperature
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handle capability
- All specifications can be modified upon request

Parameter	Min	Type	Max	Units
Frequency Range	400-600			MHz
Insertion Loss			0.9	dB
Isolation (Note 1)	17			dB
VSWR			1.4	:1
Forward Power (CW)			100	W
Average Power (CW)			50	W
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Impedance	50			Ω
Input /Output Connector	SMA-F or N-F			
Finishing	Nickel Plating			
Case Material	Aluminum/copper			
Operational Temp.	-40		70	$^{\circ}\text{C}$
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.			

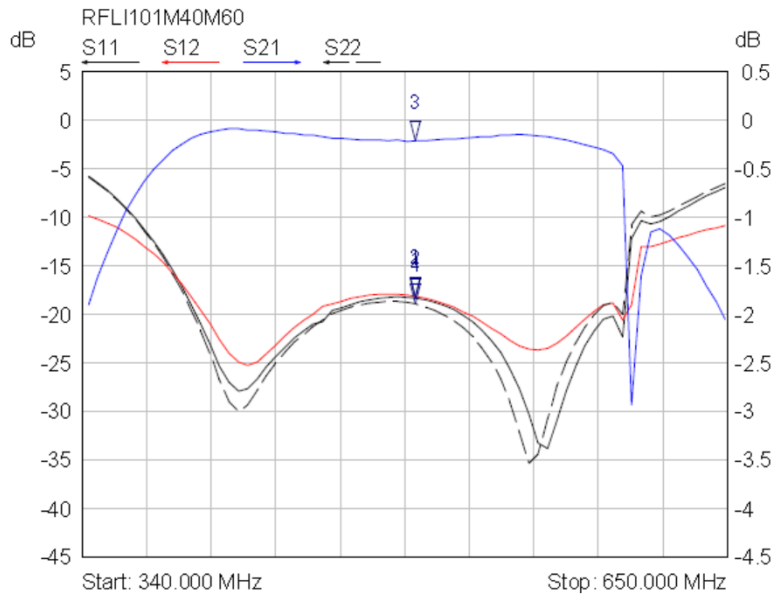
Note 1: Unit has narrow frequency bandwidth can achieve higher isolation & low insertion loss

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

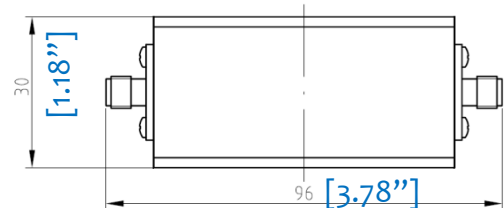
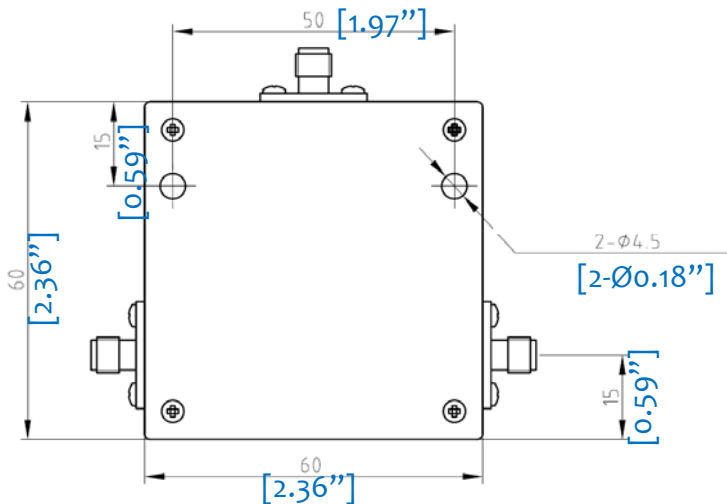
Bandwidth (20~30) % x Center Frequency (Isolation >20dB)

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

Ask manufacture for detail



Mkr	Trace	X-Axis	Value
1 ▽	S11	500.000 MHz	-18.33 dB
2 ▽	S12	500.000 MHz	-18.13 dB
3 ▽	S21	500.000 MHz	-0.21 dB
4 ▽	S22	500.000 MHz	-18.94 dB



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