



### Ultra Wide Band Coaxial Circulator 600-900MHz



- 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	600-900			MHz
Insertion Loss		1.0		dB
Isolation (Note 1)		17		dB
VSWR			1.35	:1
Forward Power (CW)			50	W
Rotation	Clockwise (Standard) Count Clockwise (upon request)			
Input /Output Connector	N-Female			
Finishing	Nickel Plated			
Case Material	Copper			
Operational Temp.	-40		+85	°C
Storage Temp.	-40		+85	°C
Altitude	15000		TBD	ft.
Impedance	50			$\Omega$
Vibration	10g 15 degree 2KHz			RMS
Humidity	100% RH at 35°C, 95%RH at 40°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 >23dB)

Bandwidth (20~30) % x Center Frequency (Isolation >21dB)

Bandwidth (40~60) % x Center Frequency (Isolation >20dB)

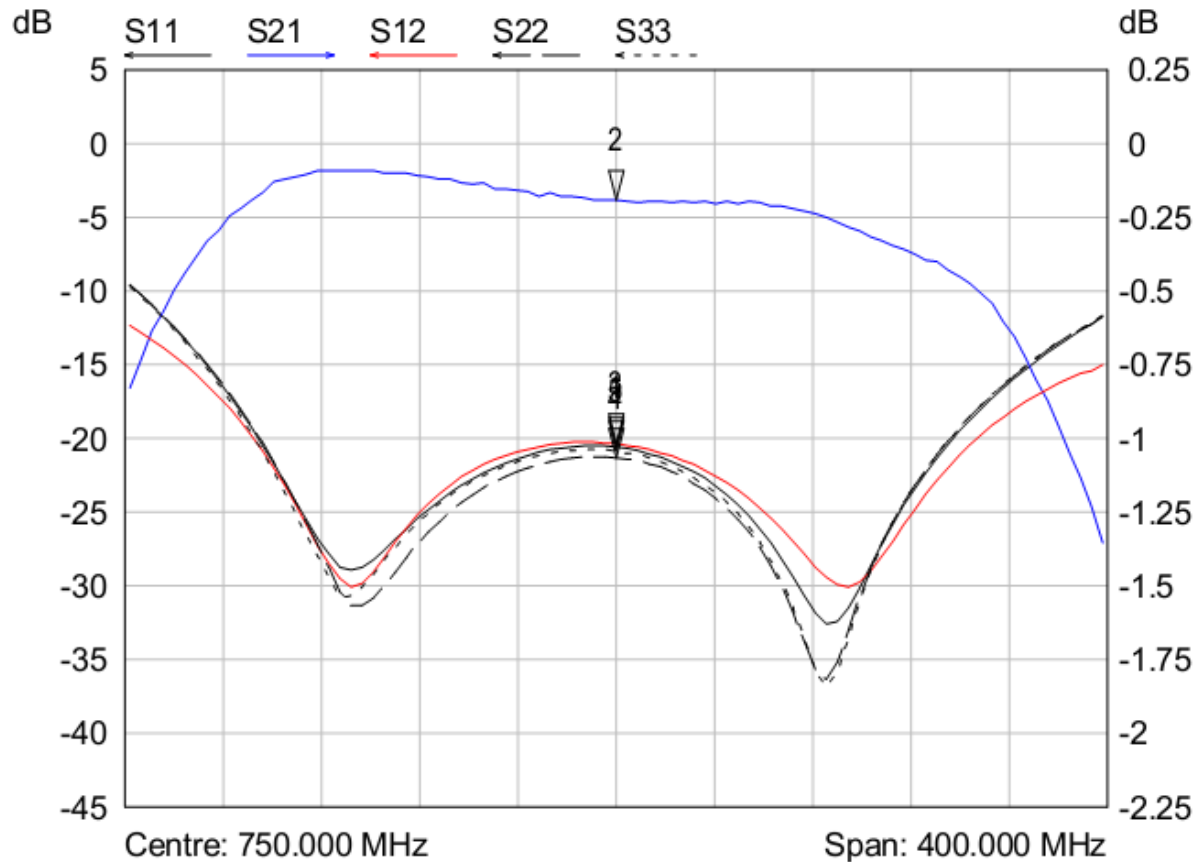
Ask manufacture for detail



### Environment specifications

Operational Temperature (C°)	-40 to +85
Storage Temperature (C°)	-40 to +85
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) ( Optional )
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave, 3 axis both directions

### Performance plots





# RF-LAMBDA

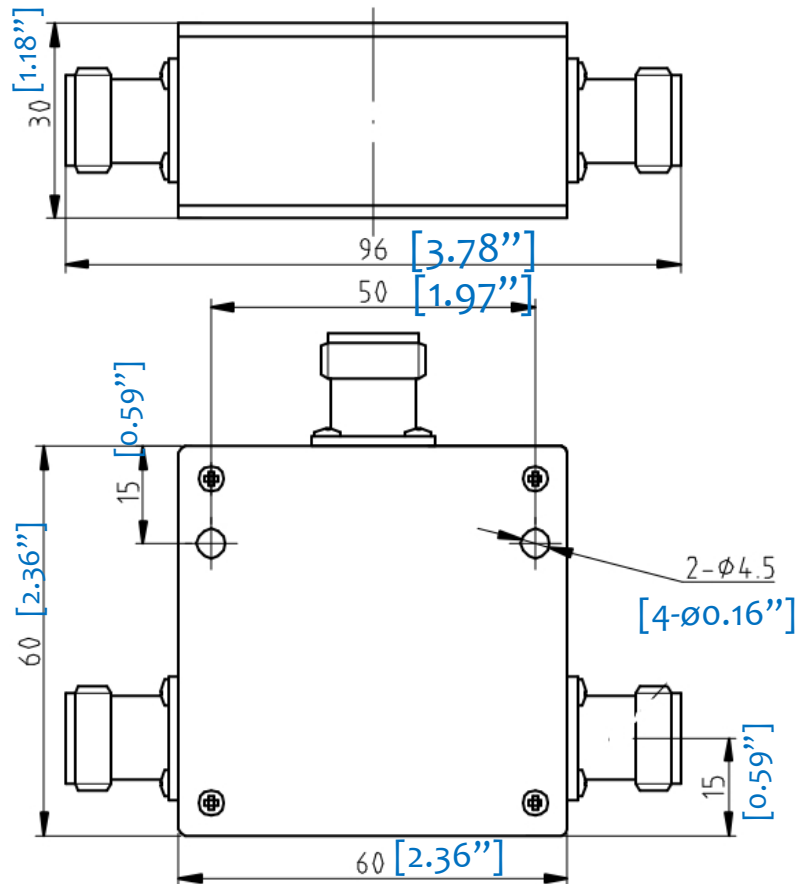
The power beyond expectations

## RFLC101M60M90

### Outline Drawing:

All Dimensions in mm ( inches )

Tolerance  $\pm 0.25$  ( 0.01 )



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