WR159 Ultra Wide Band Waveguide Circulator 4.9-7.05GHz

- High Power to 400W
- Wide band operation
- 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

RoHS Compliant

Parameter	Min	Type	Max	Units
Frequency Range		4.9-7.05		GHz
Insertion Loss		0.40	0.50	dB
Isolation	21	22		dB
VSWR		1.15	1.20	:1
Power handing (CW)			400	W
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Input /Output Connector	UAR58			
Finishing	conductive oxide			
Case Material	Aluminum alloy			
Operational Temp.	-20		60	°C
Storage Temp.	-40		85	°C
Altitude				ft.
Weight				g
Impedance				Ω
Vibration	10g 15 degree 2KHz			RMS
Humidity	100% RH at 35c, 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 >24dB)
Bandwidth (20~30) % x Center Frequency (Isolation >23dB)
Bandwidth (40~60) % x Center Frequency (Isolation >22dB)
Ask manufacture for detail

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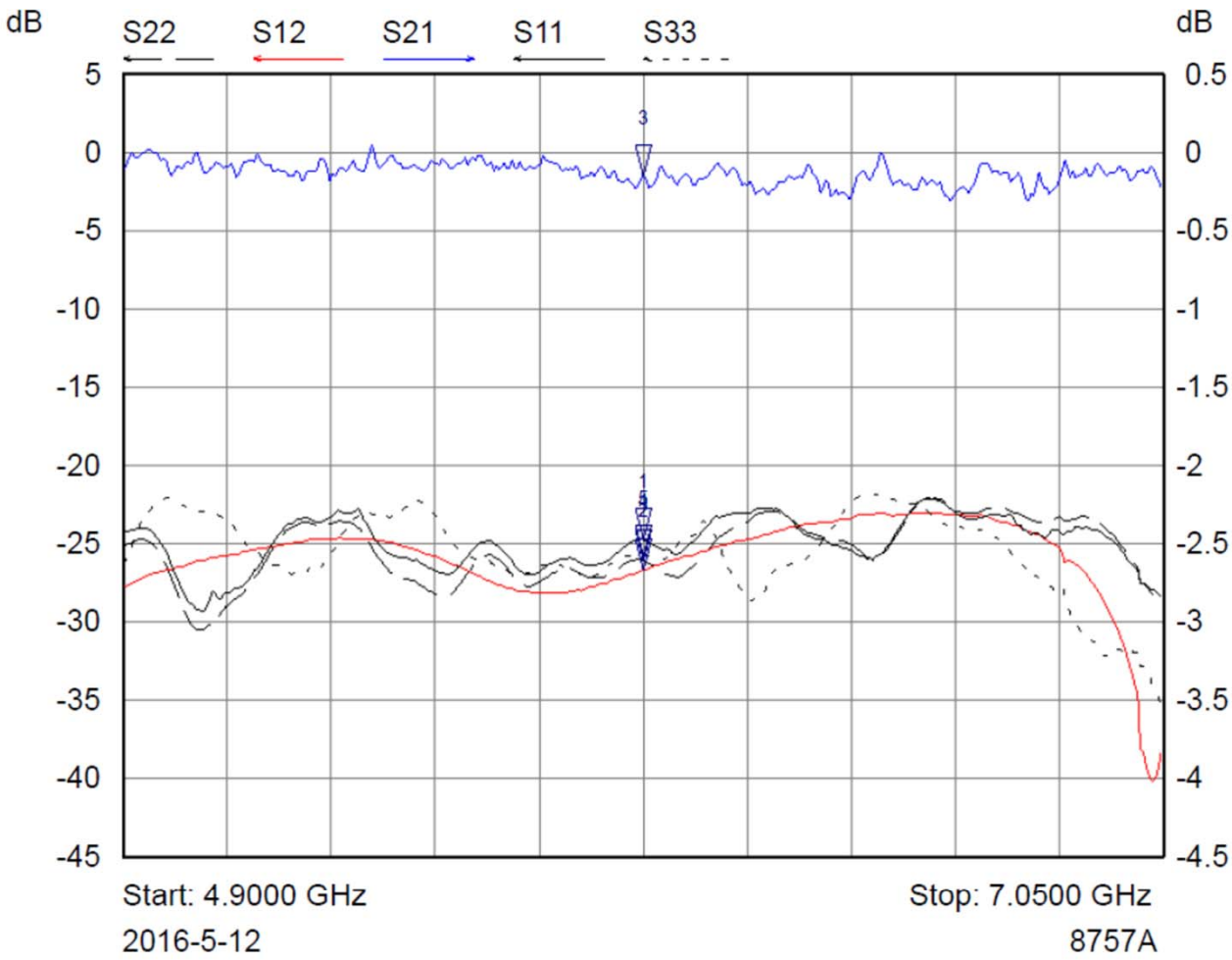

Mkr	Trace	X-Axis	Value	Notes
1	S11	5.9750 GHz	-24.76 dB	
2	S12	5.9750 GHz	-26.65 dB	
3	S21	5.9750 GHz	-0.15 dB	
4	S22	5.9750 GHz	-26.09 dB	
5	S33	5.9750 GHz	-25.78 dB	

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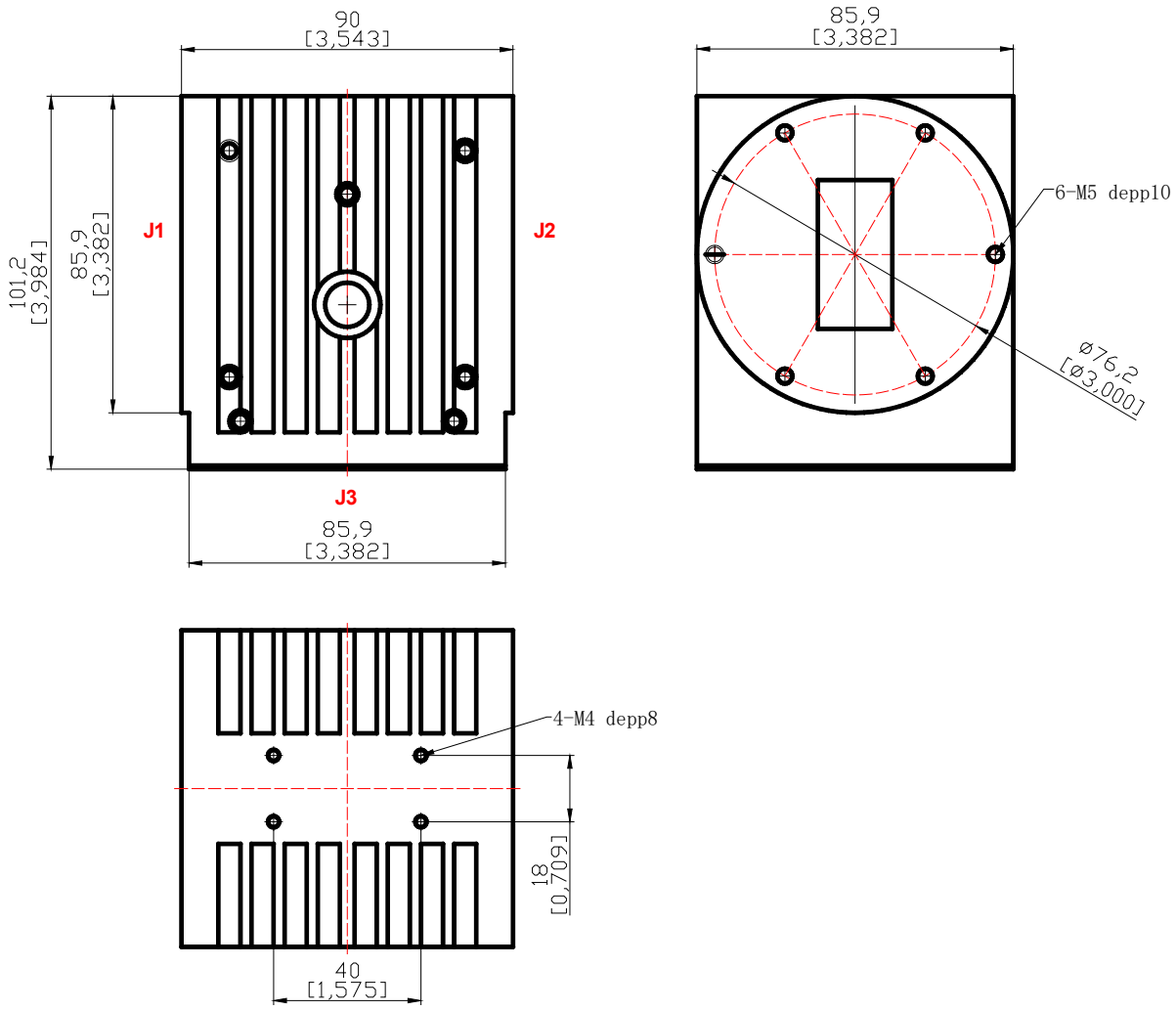
Outline Drawing:

All Dimensions in mm（inches）



Important Notice