



WR159 Waveguide Isolator 200W



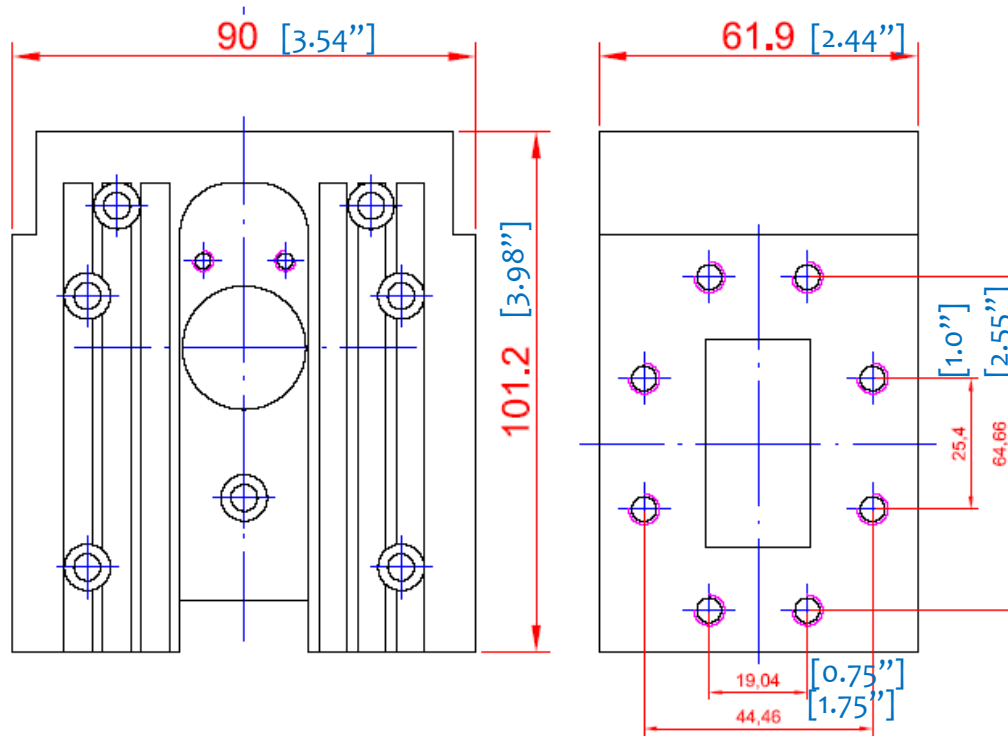
- High power handle capability up to 200W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient ferrite material offer stable performance over temperature
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handle capability
- All specifications can be modified upon request

Parameter	Min	Type	Max	Units
Frequency Range	Fc = 4.9~7.5GHz (10~20% Bandwidth)			GHz
Insertion Loss			0.25	dB
Isolation (Note 1)	25			dB
VSWR			1.15	:1
Forward Power (CW)			200	W
Reverse Power (CW)			200	W
Weight	-			g
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Impedance	50			Ω
Input /Output Connector	UG 597/U Waveguide COVER Flange 4 Holes Flat			
Finishing	conductive oxide (not painted)			
Case Material	Aluminum alloy			
Operational Temp.	-10		50	°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.			

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

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