



WR28 Waveguide Circulator 150W- 10% Bandwidth



Features

- High power handle capability up to 150W
- 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

Frequency Range (Can be tuned to 10% Fc)	32-36	34-36	GHz
Insertion Loss(max)	0.6	0.4	dB
Isolation (min)	15	23	dB
VSWR(max)	1.4	1.25	:1
Forward Power (CW)	150Wavg/500W peak		W
Reverse Power (CW)	5Wavg/20W peak		
Rotation	Clockwise (Standard) Counter Clockwise (upon request)		
Input /Output Connector	UG 599/U Waveguide COVER Flange 4 Holes Flat		
Finishing	Blue paint		
Case Material	Aluminum alloy		
Size	L	W	H
	5.39"	1.42"	0.75"
	137	36	19.1
Operational Temp.	-20	60	°C
Storage Temp.	-45	85	°C
Altitude	15000	TBD	ft.
Impedance	50		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 >25dB)

Bandwidth (20~30) % x Center Frequency (Isolation >23dB)

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

Ask manufacture for detail

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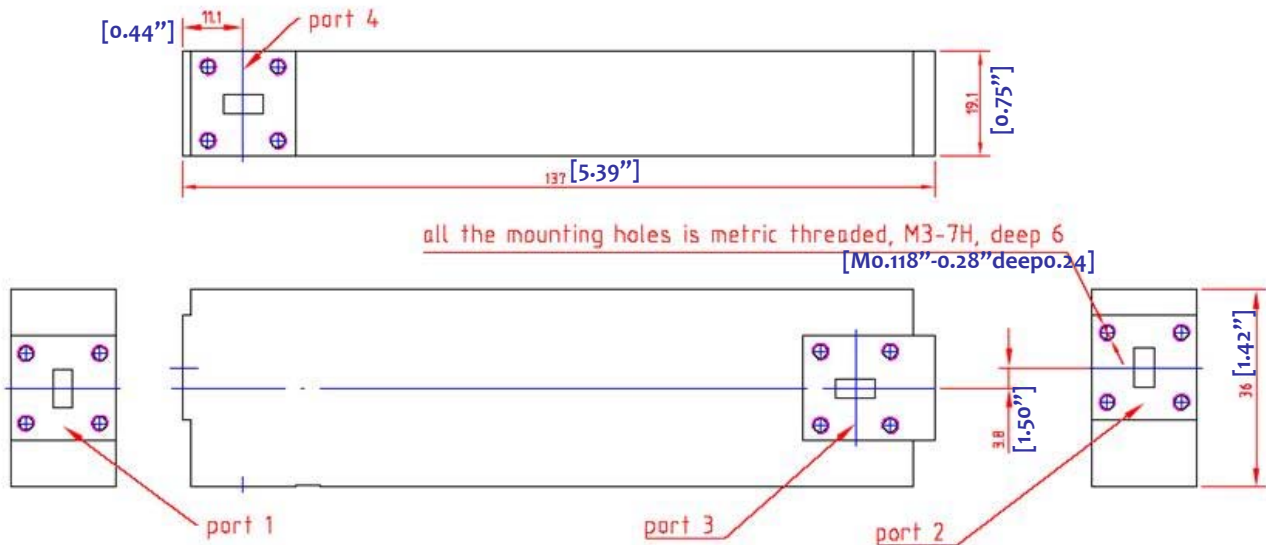


Environment specifications

Operational Temperature (C°)	-20 ~ +60
Storage Temperature (C°)	-40 ~ +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

Outline Drawing:

All Dimensions in mm (inches)



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