



### WR62 Waveguide Circulator 13.5 - 15GHz 500W

#### Features

- High power handling capability up to 500W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Stable performance over temperature
- High peak to average handling capability
- All specifications can be modified upon request



#### Typical Applications

- Aerospace and military applications
- LMDS multi-carrier operation

#### Electrical Specifications, $T_A=25\text{ }^\circ\text{C}$

Parameter	Min	Typ	Max	Units
Frequency Range	13.5 - 15			GHz
Insertion Loss			0.25	dB
Isolation (Note 1)	23			dB
VSWR			1.20	:1
Forward Power (CW)			500	W
Reverse Power	TBD Port 3 and Port 4 can have a load mounted if required			
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Input / Output Interface	COVER flat 4 holes			
Flange Type	UG1655 / U			
Finishing	conductive oxidation			
Case Material	Aluminum Alloy			
Weight				ounces
Impedance	50			$\Omega$
<p>Note 1: Units which have a narrower frequency bandwidth can achieve higher isolation &amp; lower insertion loss</p> <p>Bandwidth (5 ~ 10) % x Center Frequency (Isolation &gt;26dB)</p> <p>Bandwidth (20 ~ 30) % x Center Frequency (Isolation &gt;25dB)</p> <p>Bandwidth (40 ~ 60) % x Center Frequency (Isolation &gt;23dB)</p> <p>Ask manufacturer for details</p>				

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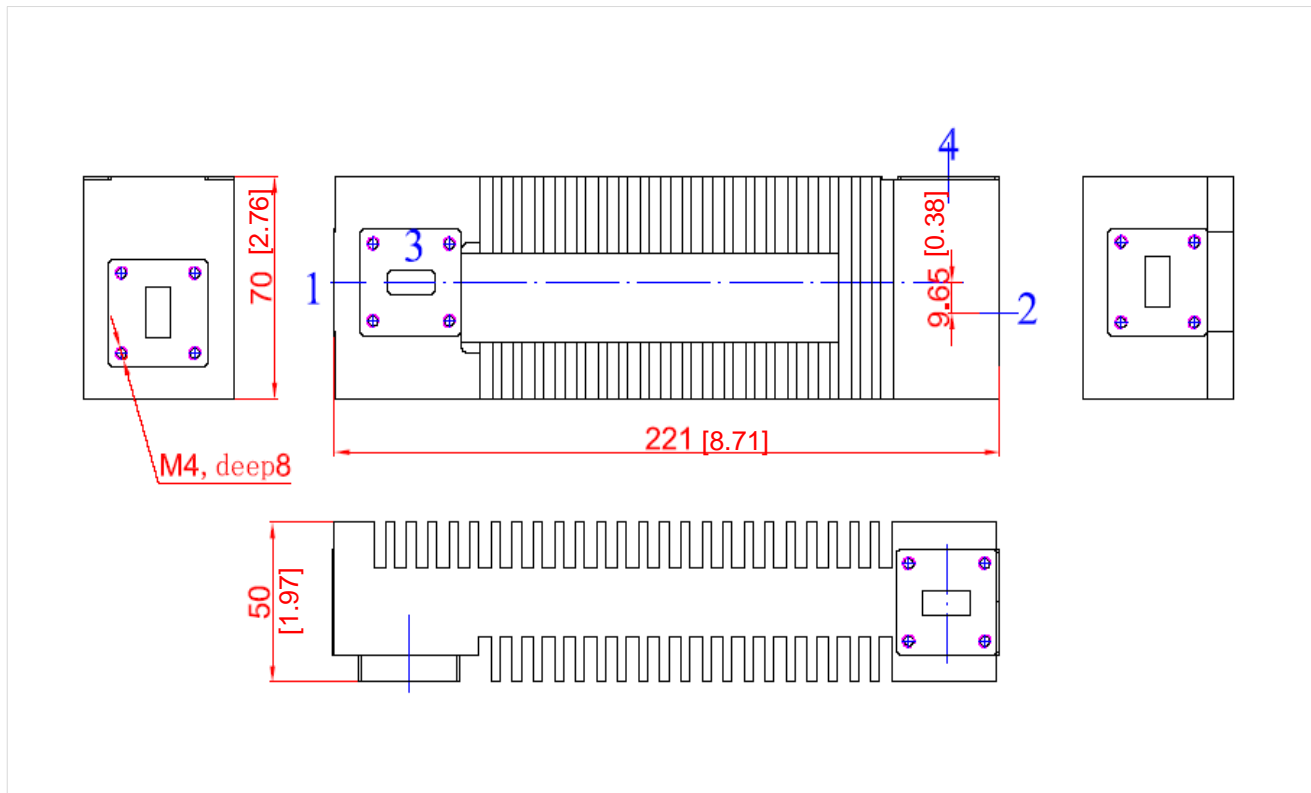


### Environmental Specifications

Operational Temperature (°C)	-20 ~ +50
Storage Temperature (°C)	-20 ~ +50
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msec half sine wave, 3 axis both directions

### Outline Drawing:

All Dimensions in mm [inches]



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