

## WR28 Waveguide Isolator 26.5-40GHz [10% BW]



Note: The photo is for illustration purposes only.  
Please refer to the outline drawing.

### Features

- High power handling capability up to 15W
- High isolation within operational band
- Low Insertion loss

### Typical Applications

- Aerospace and military applications
- Wireless Infrastructure
- Test and Measurement

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

Parameter	Min.	Typ.	Max.	Units
Frequency Range	26.5-40 [10% Bandwidth]			GHz
Insertion Loss			0.4	dB
Isolation	19			dB
VSWR			1.30	:1
Forward Power (CW)			15	W
Reverse Power (CW)			2	W
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Input / Output Interface	COVER flat 4 holes			
Finish	conductive oxide			
Flange Type	UG599/U			
Case Material	Aluminum Alloy			
Weight	/			ounces
Impedance	50			$\Omega$

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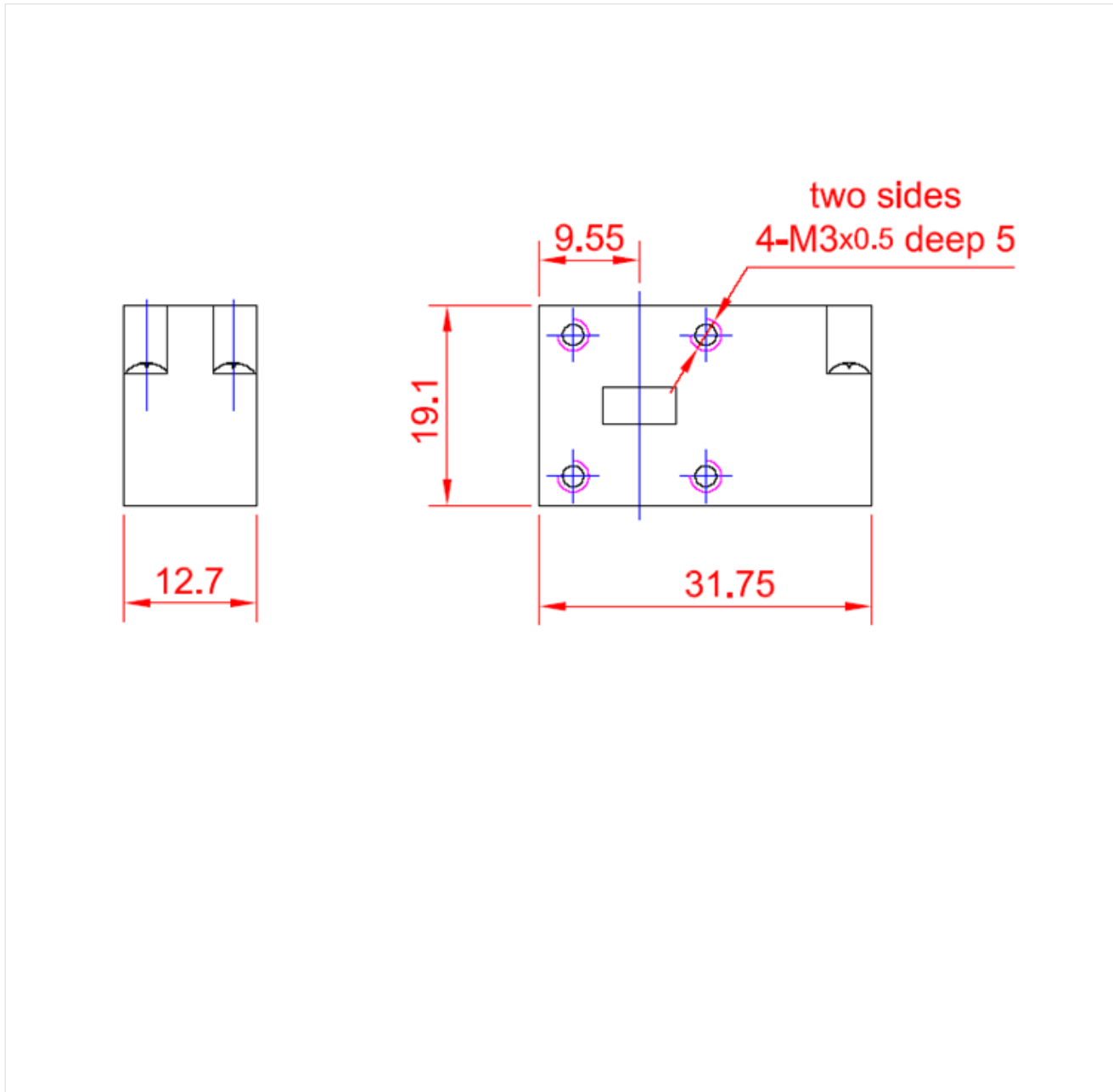
**Environmental Specifications and Test Standards**

Parameter	Description
Operational Temperature	-20°C~+60°C (Case Temperature)
Storage Temperature	-40°C~+85°C
Thermal Shock	-20°C → +60°C (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +70°C for 72 Hours
Shock	1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883 (For Hermetically Sealed Units)

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**Outline Drawing:**

All Dimensions in mm [inches]



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