



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFWI28A

WR28 Waveguide Isolator 26.5-40GHz 15W

Features

- High power handling capability up to 15 W
- 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, $T_A=25^\circ\text{C}$

Parameter	Min.	Typ.	Max.	Units
Frequency Range	26.5-40			GHz
Insertion Loss			0.60	dB
Isolation (Note 1)	17			dB
VSWR			1.30	:1
Forward Power (CW)			15	W
Reverse Power (CW)			15	W
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Input / Output Interface	COVER flat 4 holes			
Finishing	conductive oxide			
Flange Type	UG599/U			
Case Material	Aluminum alloy			
Weight				ounces
Impedance	50			Ω
Note 1: Units which have a narrower frequency bandwidth can achieve higher isolation & lower insertion loss Bandwidth (5 ~10) % x Center Frequency (Isolation >20dB) Bandwidth (20~30) % x Center Frequency (Isolation >18dB) Bandwidth (40~60) % x Center Frequency (Isolation >17dB) Ask manufacturer for details				

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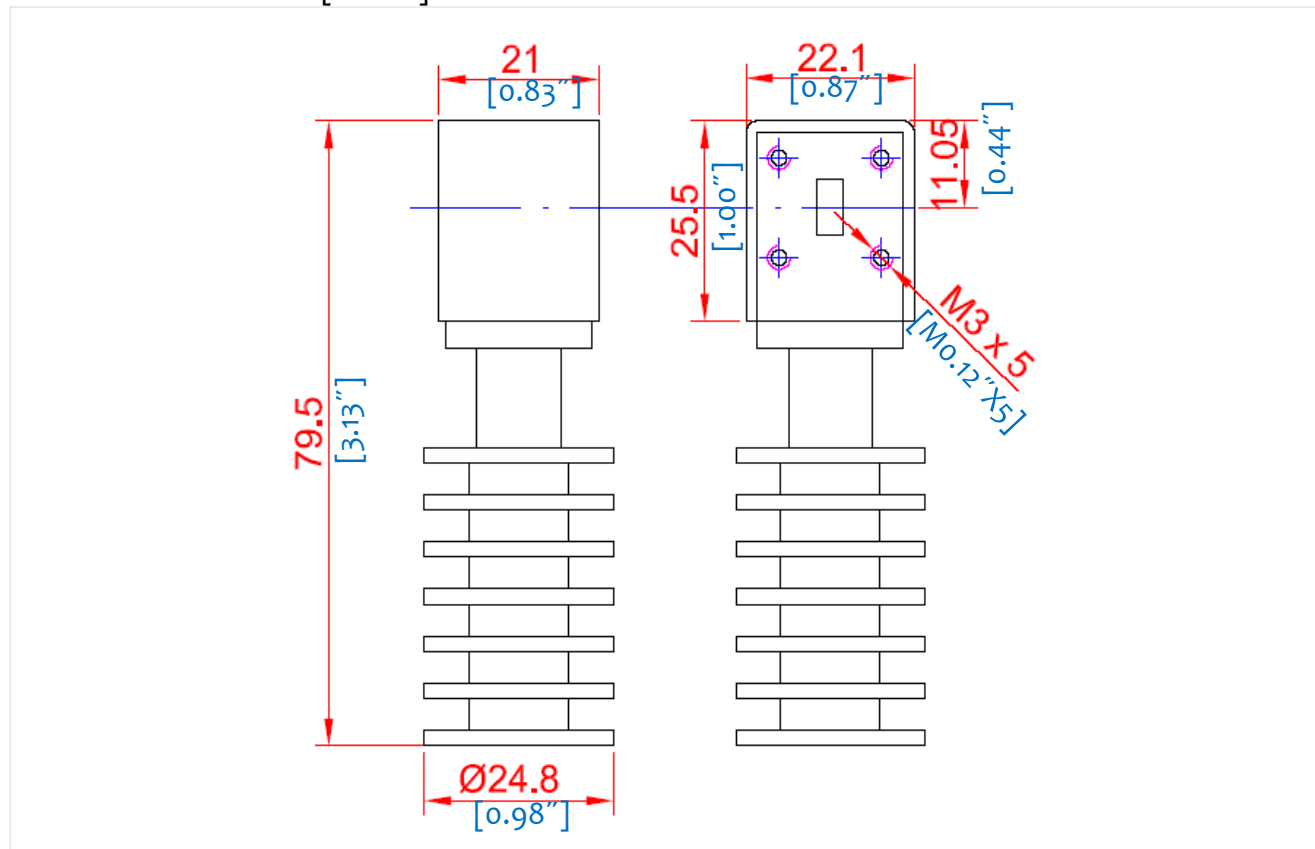


Environmental Specifications

Operational Temperature (°C)	-20 ~ +60°C
Storage Temperature (°C)	-45 ~ +85°C
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 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

Outline Drawing:

All Dimensions in mm [inches]



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