WR430 Waveguide Isolator
1.7 to 2.6GHz (10% Max BW)

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Features

- High power handling capability up to 800W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- 50dB coupled port on load

Typical Applications

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

RoHS Compliant

Electrical Specifications, T_A=25 ℃

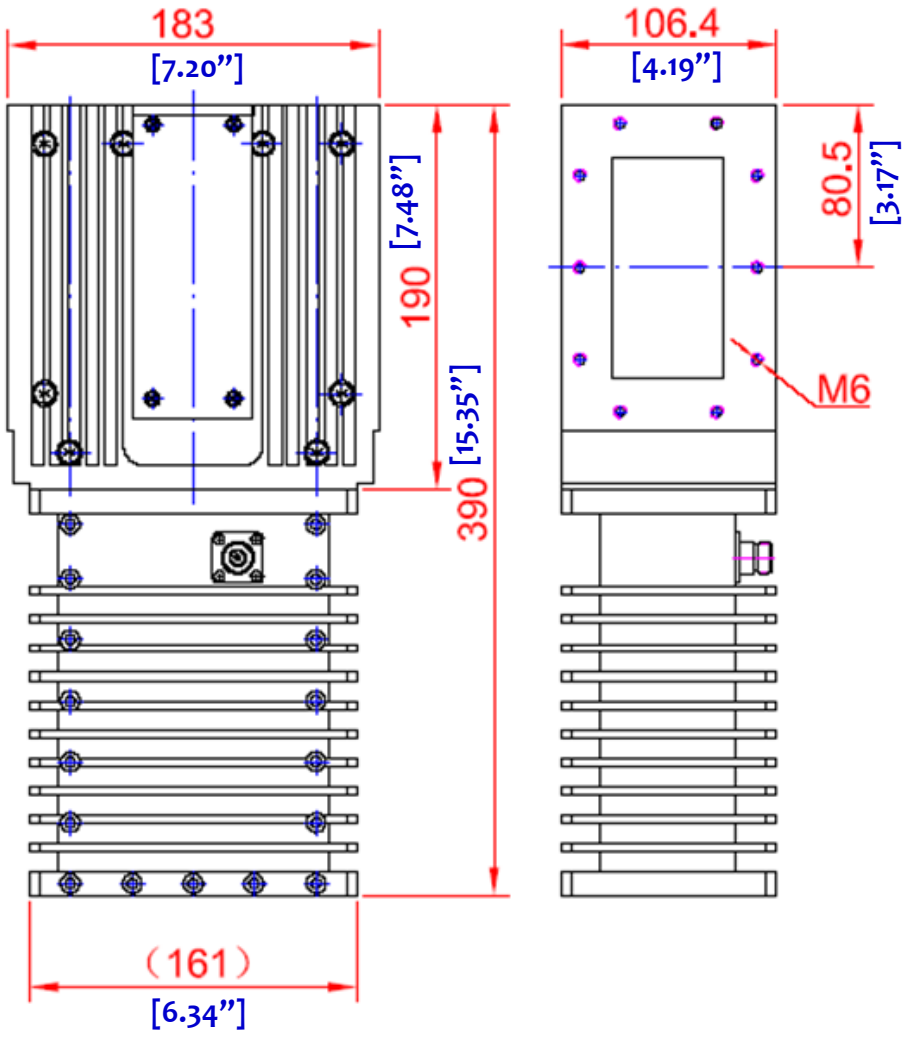
Parameter	Min	Typ	Max	Units
Frequency Range	1.7 to 2.6GHz (20% Max BW) 1745-1765MHz shown			MHz
Insertion Loss			0.3	dB
Reverse Isolation	21			dB
VSWR			1.20	:1
Forward Power (CW)			800	W
Reverse Power (CW)			250	W
Rotation (the port 3 is a load)	Clockwise (Standard) Counter Clockwise (upon request)			
Flange Type	UG1711			
Waveguide Type	WR430			

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-20℃~+50℃
Storage Temperature		-45℃~+85℃
Thermal Shock		1 Hour@ -45℃ → 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ 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	MIL-STD-883 (For Hermetically Sealed Units)

Outline Drawing:

All Dimensions in mm [inches]



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