WR22 Waveguide Circulator
33 - 50GHz 8W

Features

- High power handling capability up to 8 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

RoHS Compliant

Typical Applications

- Aerospace and military applications
- LMDS multi-carrier operation

Electrical Specifications, T_A=25 ℃

Parameter	Min	Typ	Max	Units
Frequency Range		33-50		GHz
Insertion Loss		0.65	0.70	dB
Reverse Isolation (Note 1)	14.5	15		dB
VSWR		1.40	1.45	: 1
Forward Power (CW)			8	W
Rotation	Clockwise			
Input / Output Interface	COVER flat 4 holes			
Finish	oxidation			
Flange Type	UG383/U			
Case Material	Aluminum alloy			
Weight				ounces
Impedance				Ω

Note 1: Units which have a narrower frequency bandwidth can achieve higher isolation & lower insertion loss
Bandwidth (5 ~10) % x Center Frequency (Isolation >17dB)
Bandwidth (20~30) % x Center Frequency (Isolation >16dB)
Bandwidth (40~60) % x Center Frequency (Isolation >15dB)
Ask manufacturer for details

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Environmental Specifications

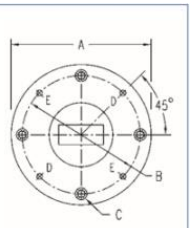
Operational Temperature (℃)	-20 ~ +60℃
Storage Temperature (℃)	-45 ~ +85℃
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) （Optional）
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msec half sine wave, 3 axis both directions

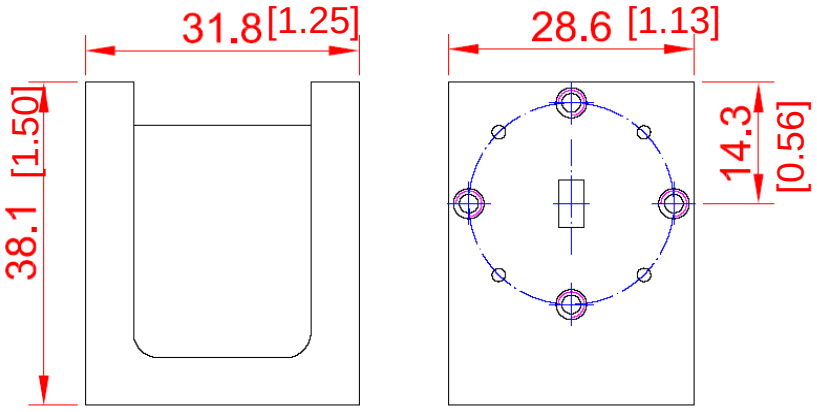
Outline Drawing:

All Dimensions in mm [inches]

Flange: UG383/U

WR22	WG23	R400
	UG383/U	
Dimensions	inches	mm
A	1.13	28.85
B	0.94	23.81
C Holes	4-40 UNC-2B	
D Holes	0.063	1.613
E Dowels	0.061	1.555





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