

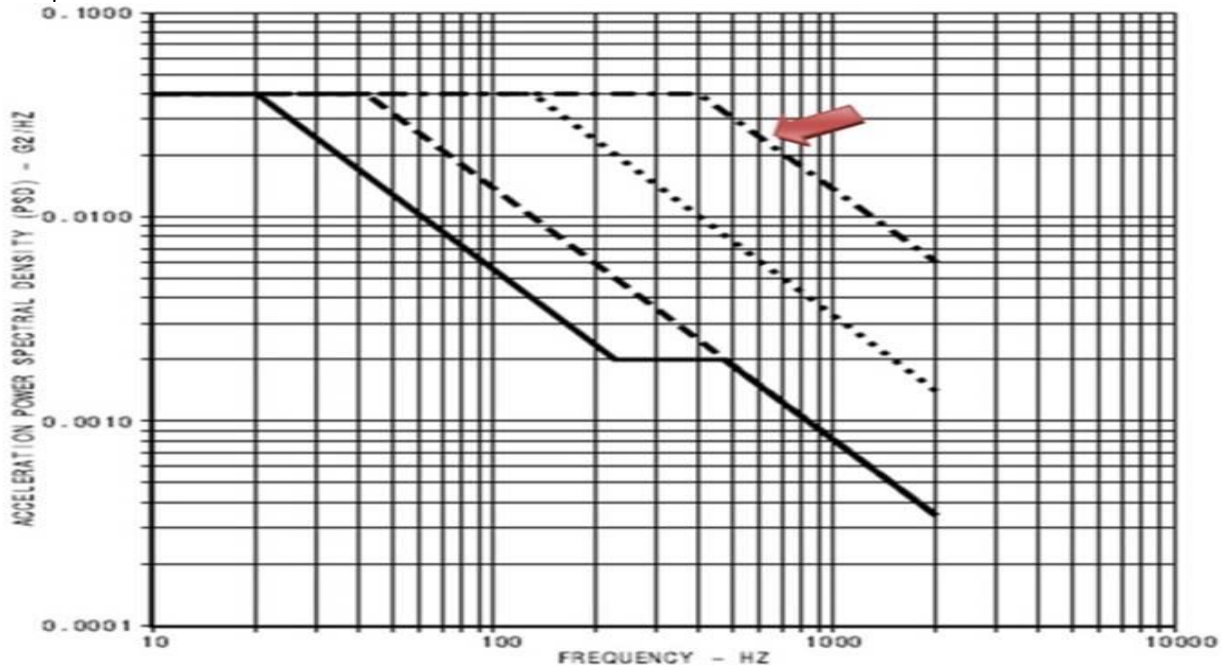


Specification for Iridium Band Filter MtronPTI P/N: UF9968R

I. Specifications:

Parameter	Specification	Room	Over Temp
Pass Band	1616~1626.5MHz		
Insertion loss	Max.	2.0dB	2.8dB
Return loss	Min.	18.0dB	18.0dB
Rejection	Min. @ 1-1585MHz	45.0dB	45.0dB
	Min. @ 1605MHz	37.0dB	35.0dB
	Min. @ 1610MHz	27.0dB	20.0dB
	Min. @ 1650-12000MHz	35.0dB	35.0dB
Input Power	Avg. 1W, Peak 10W		
Operating Temperature Range	-40 to +85°C		
Connector	SMA Female		
Vibration (survival)	5 hours per axis(x,y,z) @ 6.2G with random frequencies between 10Hz and 2000Hz		

Vibration profile



Zone 4, Category C

Frequency - HZ	PSD - G ² /Hz
10	0.04
400	0.04
2000	0.008

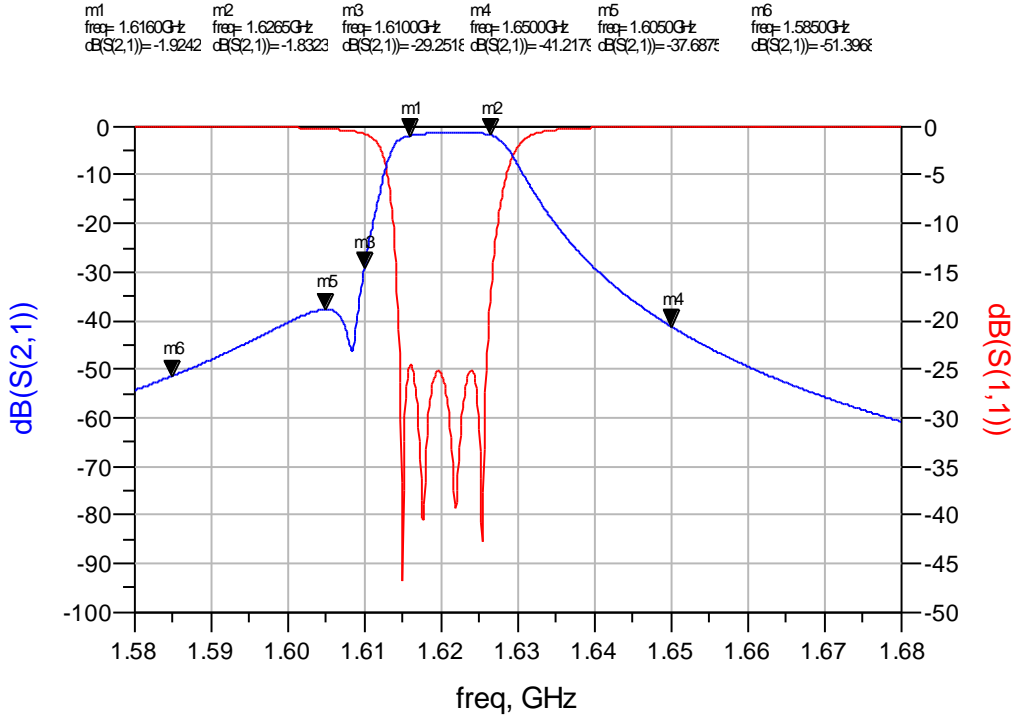
Overall Acceleration - 6.2 Gms

Note: vibration for qualification test



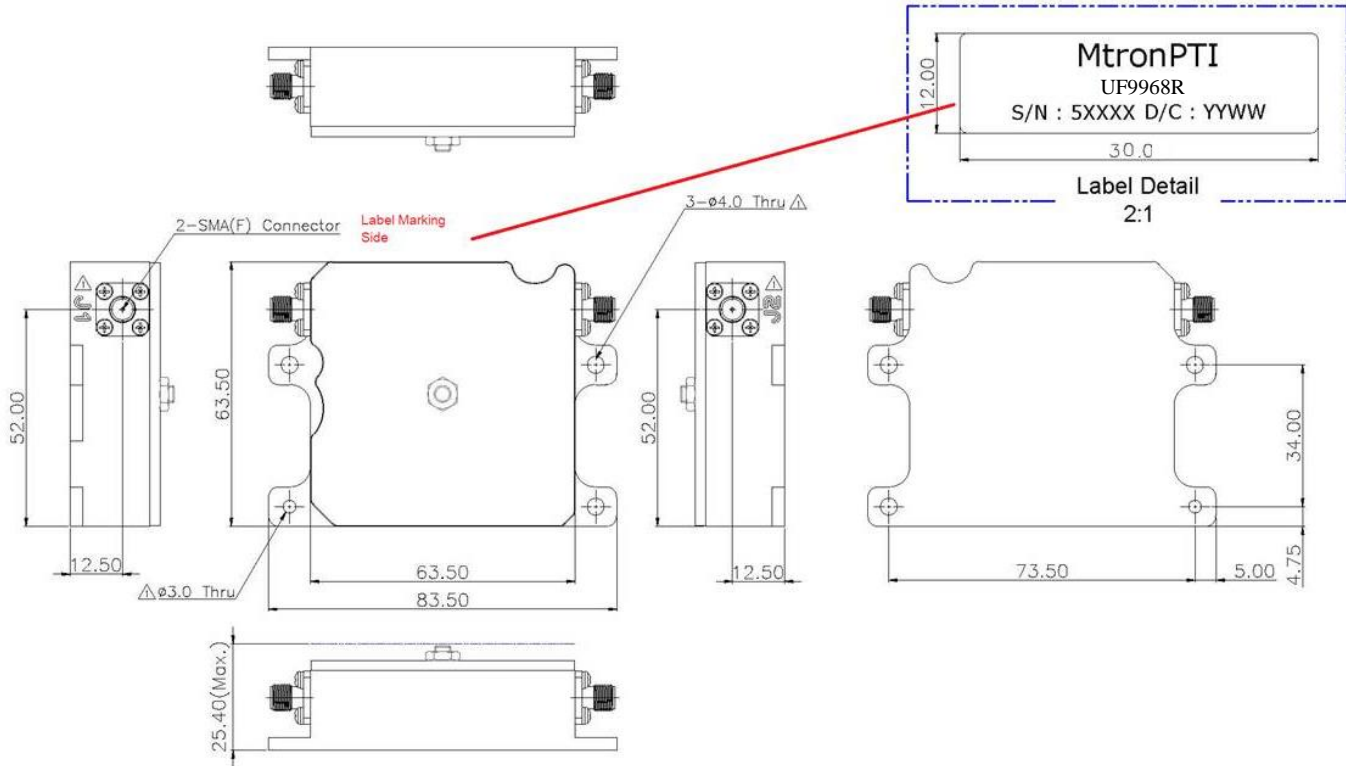
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II. Design Simulation Plots:



Specification for Iridium Band Filter
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III. Mechanical Design



Dimension in mm; ref Diagram.

IV. Datasheet Revision Table:

Date	Rev.	Author	Details of Revision
08-02-19	A	BRR	Original Release.