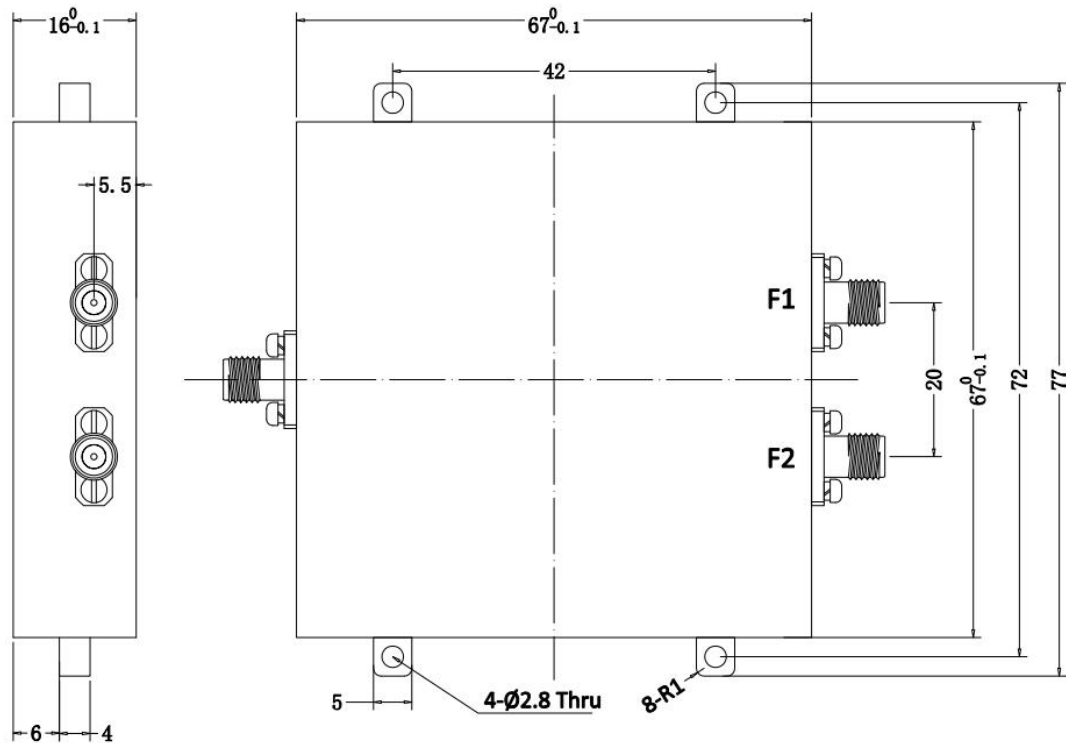


High Altitude Cavity Filter

6.3 & 7.15 GHz

Physical Dimensions ($\pm 0.3\text{mm}$)



RF Parameter		
Center Frequency (GHz)	6.3	7.15
Bandwidth at 0.5 dB	≥ 0.3 GHz	≥ 0.2 GHz
Rejection	≥ 90 dBc @ 6.95~7.35 GHz	≥ 90 dBc @ 6.0~6.6 GHz
	≥ 50 dBc @ 7~18 GHz	≥ 50 dBc @ 8~18 GHz
	≥ 60 dBc @ DC~5.6 GHz	≥ 60 dBc @ DC~6.6 GHz

Insertion Loss (dB)	≤0.9 dB
Power Handling(W)	100W
VSWR	≤1.4
Impedance	50 Ohms
RF connector	SMA - K removable, Φ0.8 pin*3
Weight	≤200 g
Body material & plating	Aluminum, Silver Plated

Environmental	
Operating Temperature	-40°C-+85°C
Storage Temperature	-55°C-+85°C
Altitude	20,000 meters Operational

Telecommunication



Satellite Teleport



Military/Security



Radar



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