



Cavity Filter

- ◆ High Rejection
- ◆ Low Insertion Loss
- ◆ Miniaturization
- ◆ Excellent Reliability
- ◆ Customization available

The HRT-BF(2000/20)-977S is a cavity band pass filter. The pass band is 1990-2010MHz. It has excellent rejection $\geq 40\text{dB}@1600\text{MHz}$, $\geq 40\text{dB}@2400\text{MHz}$. It has a maximum insertion loss of 1.5dB. The filter has SMA-Female connectors.



Electrical Specifications			
Parameters	Units		Specifications
Center Frequency(CF)	MHz		2000
Pass Band Frequency	MHz		1990-2010
Insertion Loss	dB	Max	1.5
Pass Band Flatness	dB	Max	TBD
Return Loss	dB	Min	14
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 40\text{dB}@1600\text{MHz}$, $\geq 40\text{dB}@2400\text{MHz}$		
Power Handling	1W cw max		

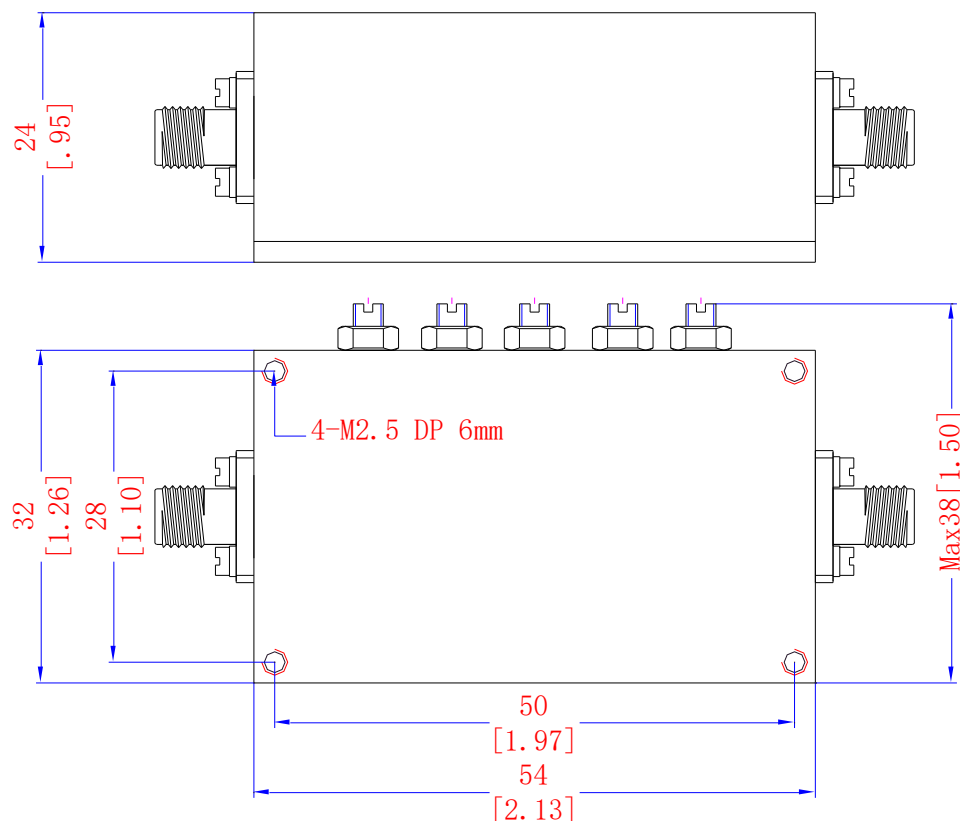
50 ohms Coaxial Cavity Band Pass Filter

SN:1944-190703 Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	SMA-Female (50Ω)	Operating Temp.	-40°C to +70°C
Output Connectors	SMA-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminum (6061)	Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
Weight(Kg)	0.07		
Surface Finish	Black Painted	Humidity	95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions		
Note			

Outline Drawing:

All Dimensions in mm (inches)

Outline Tolerances ± 0.3 (0.012)


50 ohms Coaxial Cavity Band Pass Filter

SN:1944-190703 Version: A0

