



Cavity Filter

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

The HRT-BF(1950/60)-181NW is a cavity band pass filter. The pass band is 1920-1980MHz. It has excellent rejection $\geq 30\text{dB}$ @ 1910MHz, 1990MHz. It has a maximum insertion loss of 0.75dB. The filter has N-Female connectors and DC pass between all ports.



Electrical Specifications			
Parameters	Units		Specifications
Center Frequency(CF)	MHz		1950
Pass Band Frequency	MHz		1920-1980
Insertion Loss	dB	Max	0.75
Pass Band Flatness	dB	Max	TBD
Return Loss	dB	Min	19
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 30\text{dB}$ @1910MHz, $\geq 30\text{dB}$ @1990MHz		
Power Handling	50W cw max		
DC Pass	By-pass between all ports		

50 ohms Coaxial Cavity Band Pass Filter

SN:1031-151208 Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	N-Female (50Ω)	Operating Temp.	-20°C to +55°C
Output Connectors	N-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	IP66
Material	Aluminum (6061)	Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
Weight(Kg)	1.52		
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 $\pm 0.3(0.012)$


