



Cavity Filter

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

The HRT-BF(659/18)-105S is a cavity band pass filter. The pass band is 650-668MHz. It has excellent rejection $\geq 50\text{dB}@CF\pm 23\text{MHz}$. It has a maximum insertion loss of 1.0dB. The filter has SMA-Female connectors.



Electrical Specifications

Parameters	Units		Specifications
Center Frequency(CF)	MHz		659
Pass Band Frequency	MHz		650-668
Insertion Loss	dB	Max	1.0
Pass Band Flatness	dB	Max	TBD
VSWR	/	Max	1.4:1
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 50\text{dB}@CF\pm 23\text{MHz}$		
Power Handling	10W cw max		

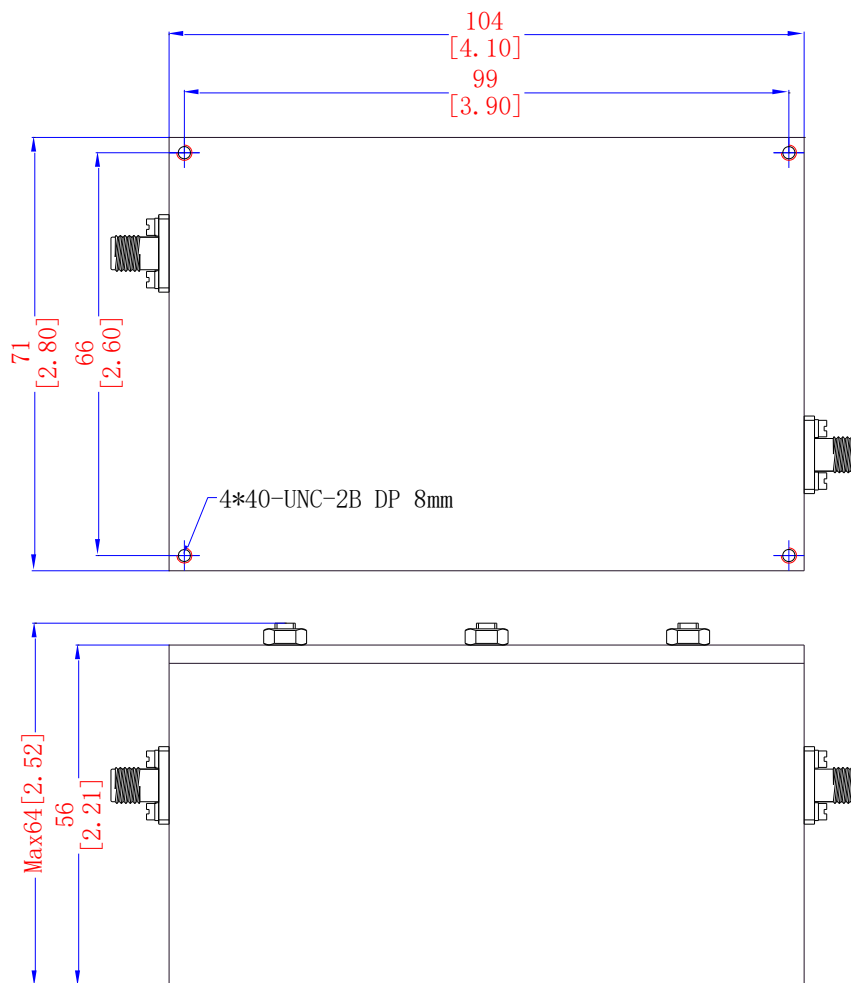
50 ohms Coaxial Cavity Band Pass Filter

SN:0928-150604 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.
Weight(Kg)	0.6		(Epoxy Sealed Controlled environment)
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 $\pm 0.3(0.012)$



Test Plot
