



Bandstop Filter

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

The HRT-SF(942/34.8)-1585SB is a cavity bandstop filter. The pass band is 80-887 MHz and 1002-4500MHz. It has excellent rejection $\geq 50\text{dB}@925.2-960\text{MHz}$. It has a maximum insertion loss of 3.0 dB. HRT-SF(942/34.8)-1585SB has SMA-Female connectors.



Electrical Specifications

Parameters	Units		Specifications
Pass Band Frequency	MHz		80-887MHz & 1002-4500MHz
Insertion Loss	dB	Max	$\leq 1.0@$ Passband, $\leq 3.0@3800-4500\text{MHz}$, $\leq 3.0\text{dB}@887\text{MHz}$
Ripple	dB	Max	TBD
Return Loss	dB	Min	12
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection			$\geq 50\text{dB}@925.2-960\text{MHz}$
Power Handling			25W cw max

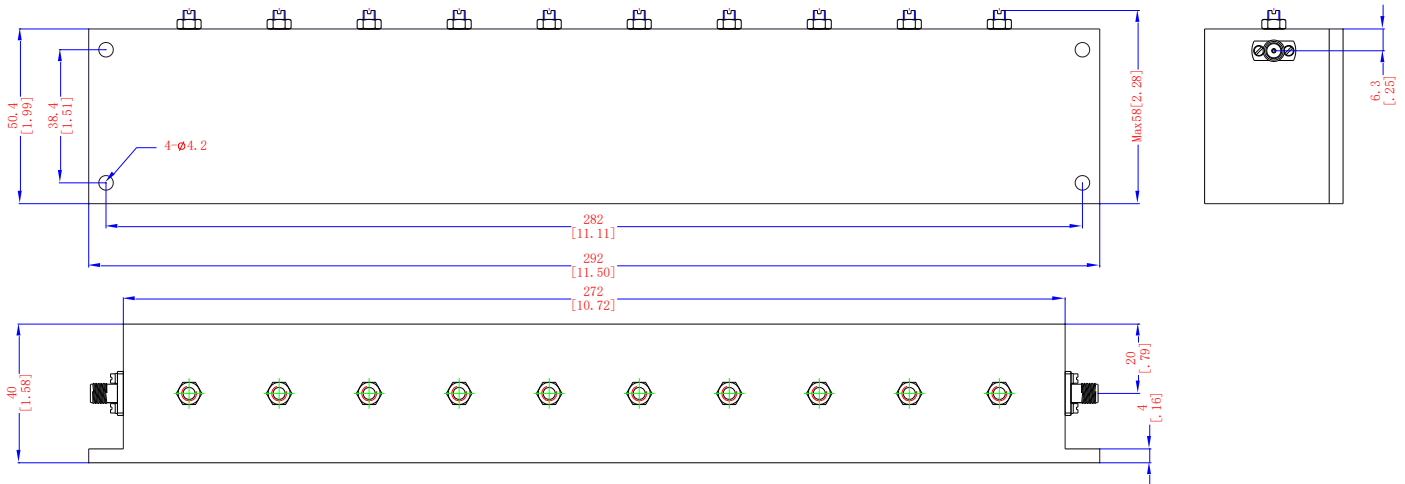
50 ohms Coaxial Cavity Band Stop Filter

SN:2585-220719 Version: A1

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	SMA-Female (50Ω)	Operating Temp.	0°C to +40°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)	1.20		(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
