



### Bandstop Filter

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

The HRT-SF(1600/5)-975S is a coaxial cavity bandstop filter. The pass band is DC-1590MHz & 1610-2200MHz. It has excellent rejection  $\geq 40\text{dB}$  @ 1597.5-1602.5MHz. It has a maximum insertion loss of 1.2dB. The bandstop filter has SMA-Female connectors.



Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		DC-1590MHz & 1610-2200MHz
Insertion Loss	dB	Max	1.2
Ripple	dB	Max	TBD
Return Loss	dB	Min	11
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 40\text{dB}$ @ 1597.5-1602.5MHz		
Power Handling	1W cw max		

**50 ohms Coaxial Cavity Band Stop Filter**

SN:1942-190703    Version: A0

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)	TBD		(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  $\pm 0.3(0.012)$



