



Bandstop Filter

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

The HRT-SF(2425/50)-1596S is a cavity bandstop filter. The pass band is DC-2350 MHz and 2500-6000MHz. It has excellent rejection $\geq 50\text{dB}$ @ 2400-2450MHz. It has a maximum insertion loss of 2.0 dB. HRT-SF(2425/50)-1596S has SMA-Female connectors.



Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		DC-2350MHz & 2500-6000MHz
Insertion Loss	dB	Max	2.0
Ripple	dB	Max	TBD
Return Loss	dB	Min	12
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 50\text{dB}$ @ 2400-2450MHz		
Power Handling	10W cw max		

50 ohms Coaxial Cavity Band Stop Filter

SN:2596-220706 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. (Epoxy Sealed Controlled environment)
Weight(Kg)	1.34		
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)


Test Plot

