



Bandstop Filter

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

The HRT-SF(3500/60)-1578S is a cavity bandstop filter. The pass band is 10-3450 MHz and 3550-6400MHz. It has excellent rejection $\geq 45\text{dB}@3470-3530\text{MHz}$. It has a maximum insertion loss of 2.0 dB. HRT-SF(3500/60)-1578S has SMA-Female connectors.



Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		10-3450MHz & 3550-6400MHz
Insertion Loss	dB	Max	2.0
Ripple	dB	Max	TBD
VSWR	/	Max	1.8:1
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 45\text{dB}@3470-3530\text{MHz}$		
Power Handling	10W cw max		

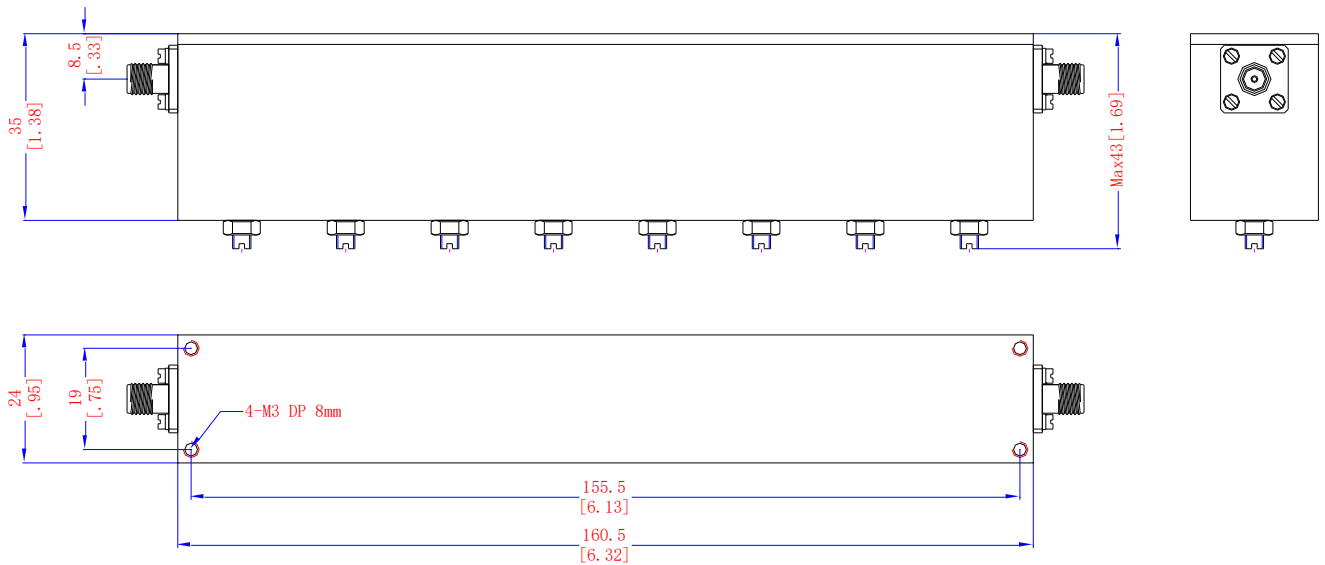
50 ohms Coaxial Cavity Band Stop Filter

SN:2578-220524 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 $\pm 0.3(0.012)$


Test Plot

