



Bandstop Filter

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

The HRT-SF(2140/60)-1620S is a cavity bandstop filter. The pass band is 800-2095 MHz and 2185-2700MHz. It has excellent rejection $\geq 50\text{dB}@211-2170\text{MHz}$. It has a maximum insertion loss of 2.5 dB. HRT-SF(2140/60)-1620S has SMA-Female connectors.



Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		800-2095MHz & 2185-2700MHz
Insertion Loss	dB	Max	$\leq 1.5\text{dB}@800-2075\text{MHz}$, $\leq 1.5\text{dB}@2205-2700\text{MHz}$, $\leq 2.5\text{dB}@2075-2095\text{MHz}$, $\leq 2.5\text{dB}@2185-2205\text{MHz}$
Ripple	dB	Max	TBD
Return Loss	dB	Min	14
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 30\text{dB}@2110-2170\text{MHz}$		
Power Handling	10W cw max		

50 ohms Coaxial Cavity Band Stop Filter

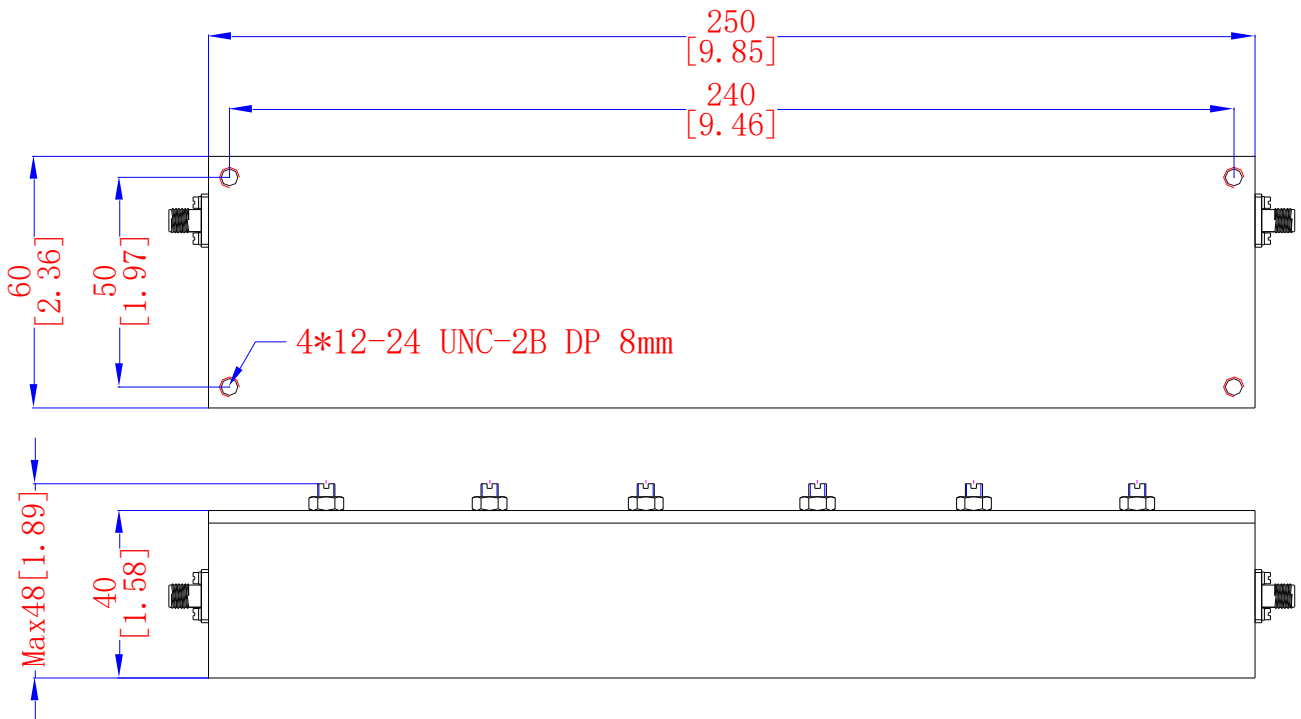
SN:2617-220812 Version: A0

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)	0.88		(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 ±0.3(0.012)



Test Plot
