

Notch Filter

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

The HRT-SF(2060/42)-2245N is a cavity notch filter. The pass band is 1000-2000MHz and 2110-2556MHz. It has excellent rejection $\geq 80\text{dB}$ @ 2039-2081MHz. It has a maximum insertion loss of 1.0dB. The filter has N-Female connectors.



Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		1000-2000MHz & 2110-2556MHz
Insertion Loss	dB	Max	1.0
Pass Band Flatness	dB	Max	TBD
Return Loss	dB	Min	14
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 80\text{dB}$ @ 2039-2081MHz		
Power Handling	60W cw max		

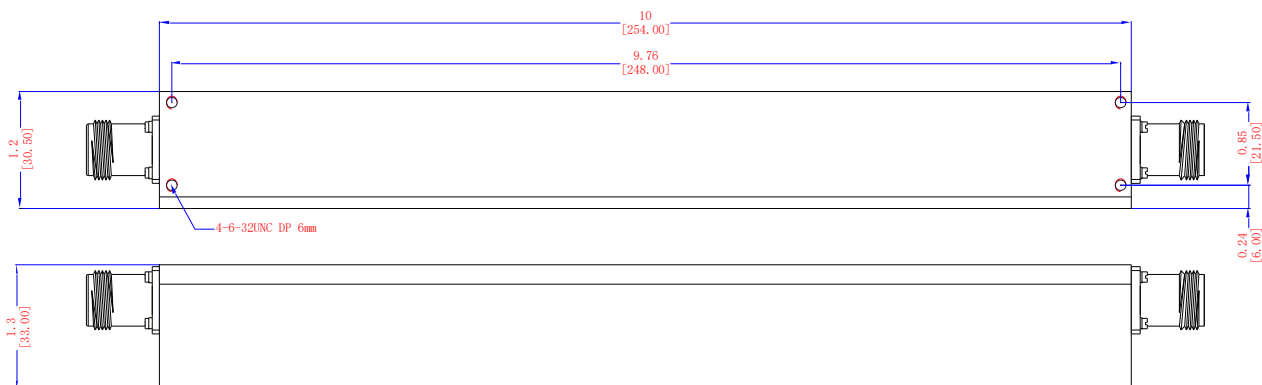
50 ohms Cavity Notch Filter

SN:3348-250711 Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	N-Female (50Ω)	Operating Temp.	0°C to +40°C
Output Connectors	N-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)	TBD		
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 inches (mm)

Outline Tolerances $\pm 0.012(0.3)$


50 ohms Cavity Notch Filter
SN:3348-250711 Version: A0
Simulation Plot
