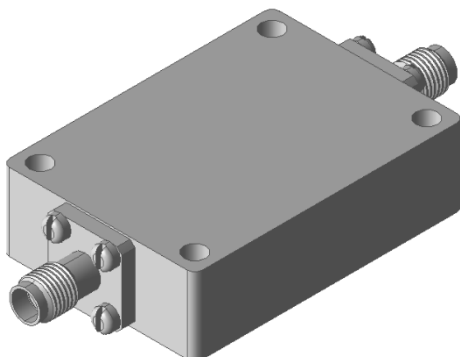




Highpass Filter

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

The HRT-HF0118S is a suspended stripline highpass filter. The pass band is 1-18GHz. It has excellent rejection $\geq 45\text{dBc@DC-800MHz}$. It has a maximum insertion loss of 1.5dB. The filter has SMA-Female connectors.



Electrical Specifications					
Parameters	Units		Min.	Typ.	Max.
Pass Band Frequency	GHz		1		18
Insertion Loss	dB	Max		1.0	1.5
Pass Band Ripple	dB	Max			1.2
VSWR	/	Max		1.5:1	1.8:1
Rejection	≥45dBc@DC-800MHz				
Power Handling	15W cw max				

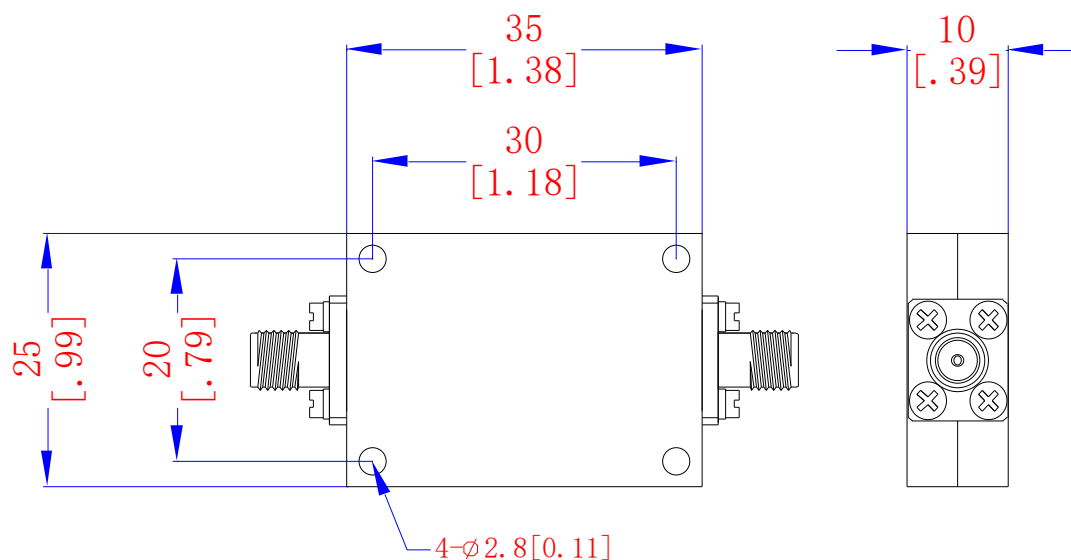
50 ohms Suspended Stripline Highpass Filter
SN:HF01-250725 Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connector	SMA-Female (50Ω)	Operating Temp.	-40°C to +70°C
Output Connector	SMA-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminium	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:

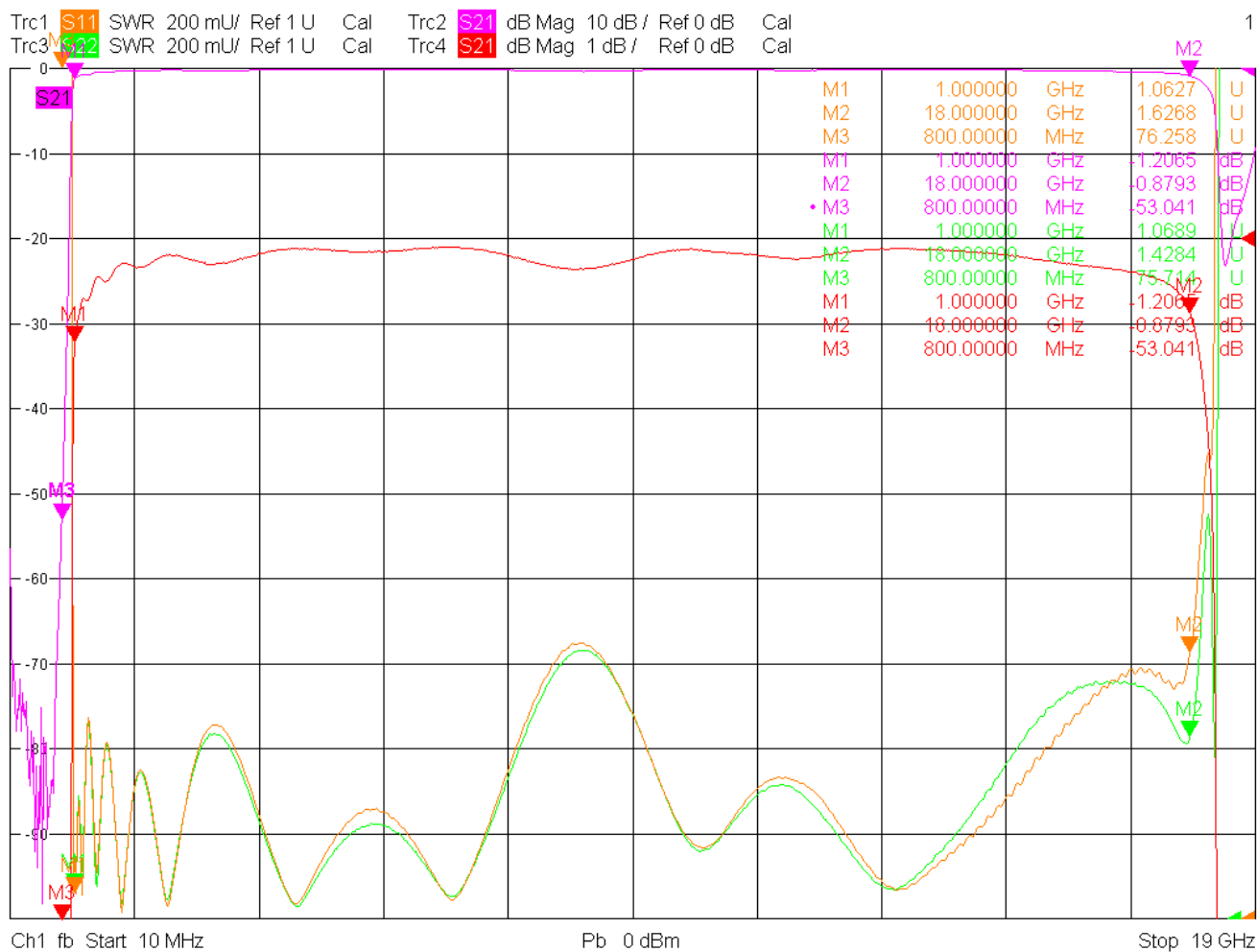
All Dimensions in mm (inches)

Outline Tolerances $\pm 0.3(0.012)$



50 ohms Suspended Stripline Highpass Filter

SN:HF01-250725 Version: A0

Test Plot


3/4/2025, 2:05 AM