

Highpass Filter

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

The HRT-HF0635K is a suspended stripline highpass filter. The pass band is 6-35GHz. It has excellent rejection $\geq 50\text{dBc@DC-4.5GHz}$. It has a maximum insertion loss of 1.5dB. The filter has 2.92-Female connectors.



Electrical Specifications					
Parameters	Units		Min.	Typ.	Max.
Pass Band Frequency	GHz		6		35
Insertion Loss	dB	Max		1.0	1.5
Pass Band Ripple	dB	Max			1.2
VSWR	/	Max		1.5:1	1.8:1
Rejection	≥50dBc@DC-4.5GHz				
Power Handling	15W cw max				

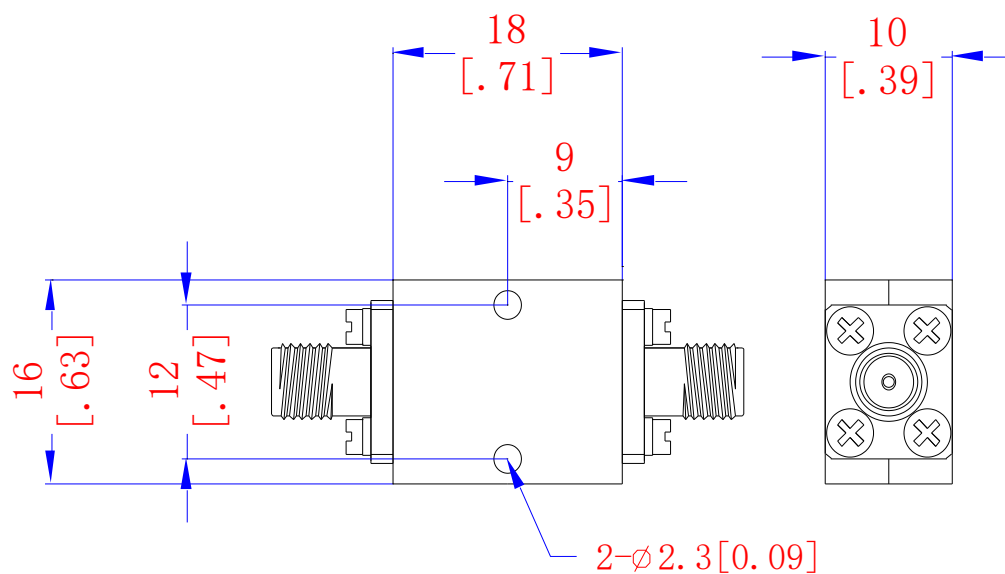
50 ohms Suspended Stripline Highpass Filter

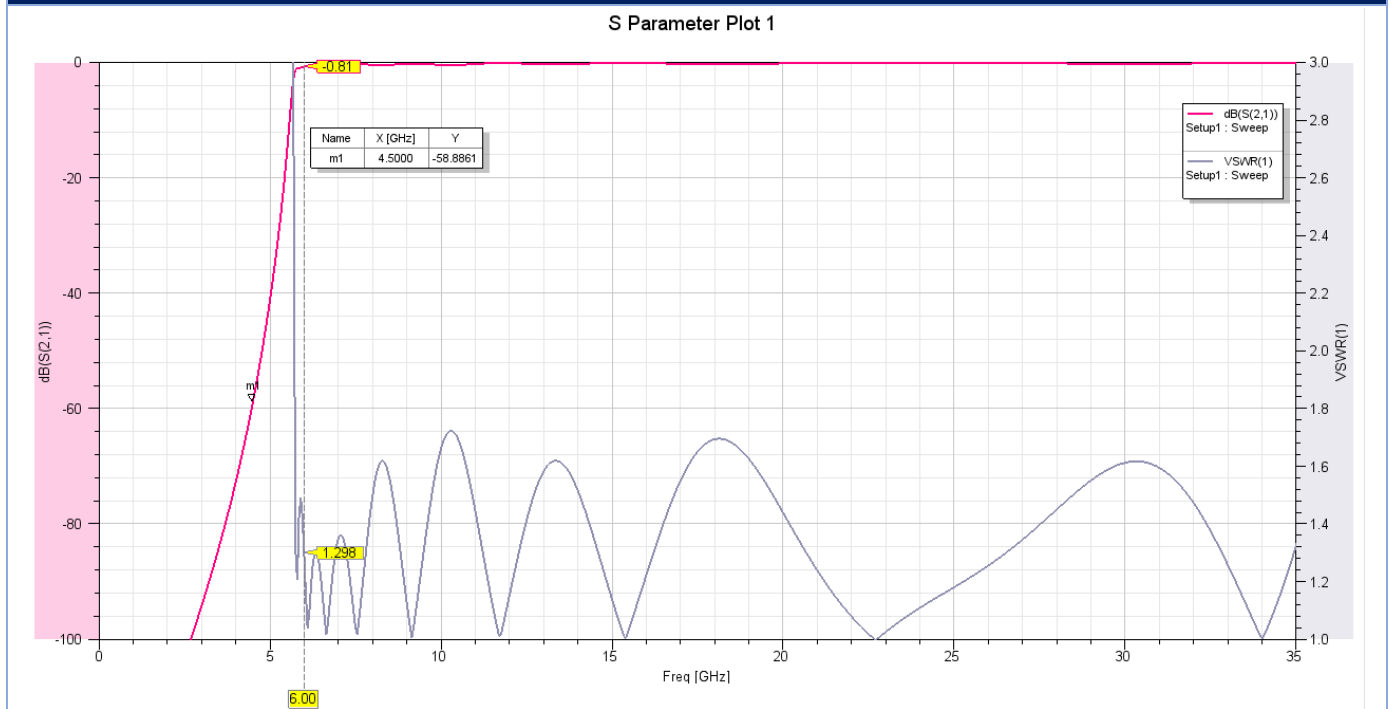
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Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connector	2.92-Female (50Ω)	Operating Temp.	-40°C to +70°C
Output Connector	2.92-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminium	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 $\pm 0.3(0.012)$


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Simulation Plot
S Parameter Plot 1

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