



Suspended Substrate Stripline High Pass Filter 9 - 18GHz



Features

- SSS Filter - Suspended Substrate Stripline Filter
- Flat frequency response and low insertion loss
- Covers the 1 GHz to 18 GHz Frequency Range
- Wide bandwidth and 3 dB BW Available from 5-50% (f_0)
- Designs that Cover up to 40 GHz Also Available
- MIL-E-5400 standard

Electrical Specifications, $T_A = 25^\circ C$

Parameters		Min.	Typ.	Max.	Units
Frequency Range		9		18	GHz
Insertion Loss			0.6	1.0	dB
Pass Band Ripple			0.5	0.8	dB
VSWR			1.5	1.8	: 1
Rejection	@DC-7.65GHz	50	62		dB
Power Rating	Average			15	W
	Peak			100	W
Impedance		50			Ohms
Weight		0.71			ounces
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finish		Blue Paint			

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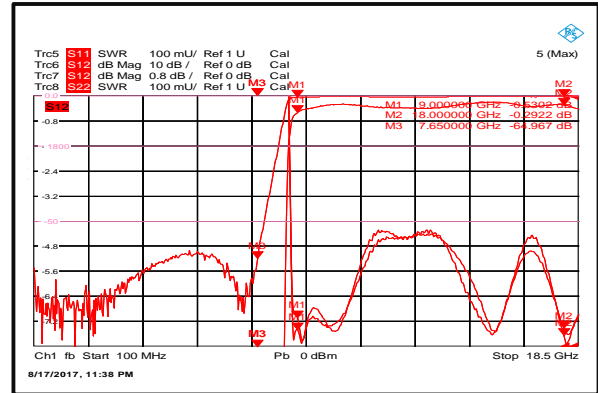


Environmental Specifications

Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-55 ~ +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

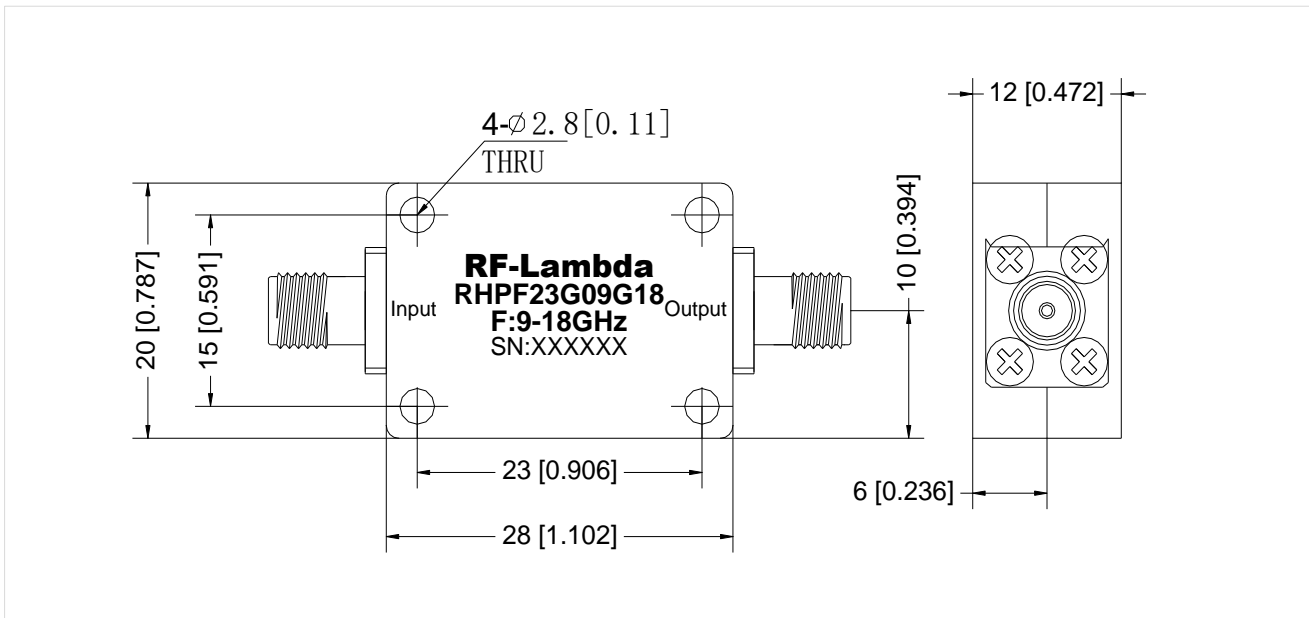
Typical Performance Plots

Loss, Ripple, Rejection, VSWR



Outline Drawing:

All Dimensions in mm [inches]



Important Notice

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