



### 3-12GHz Suspended Substrate Stripline (SSS) High Pass Filter



#### Features

- SSS Filter - Suspended Substrate Stripline Filter
- Low Insertion Loss
- High Rejection
- Flat Frequency Response and Wide Bandwidth
- Covers 1 to 18GHz Frequency Range
- Up to 40GHz and 3dB bandwidth from 5-50% ( $f_0$ ) available upon request.
- MIL-E-5400 standard

#### Electrical Specifications

Parameters		Min.	Typ.	Max.	Units
Frequency Range		3		12	GHz
Insertion Loss			0.8	1.0	dB
Pass Band Ripple			0.8	1.0	dB
VSWR			1.5	1.8	:1
Rejection	@DC-2.55GHz	50	55		dB
Power Rating	Average			15	W
	Peak			0.1	KW
Operating Temperature		-55		+85	°C
Impedance		50			Ohms
Weight		1.41			ounces
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finishing		Blue Paint			

3-12GHz High Pass SSS-Suspended Substrate Stripline Filter

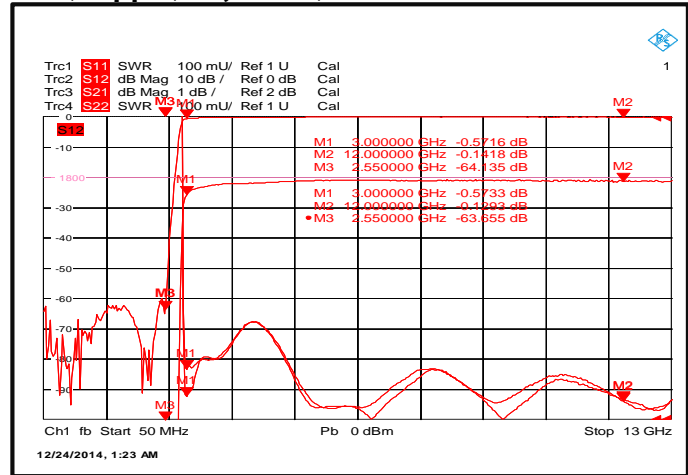


### Environmental Specifications

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

### Typical Performance

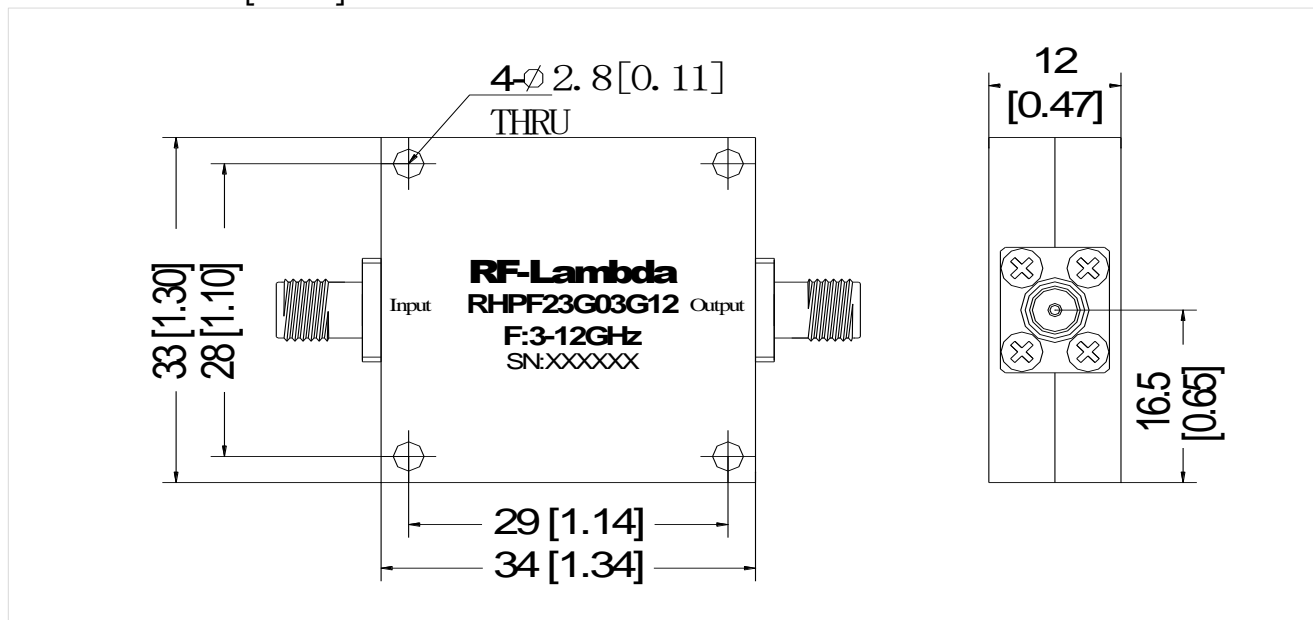
#### Loss, Ripple, Rejection, VSWR



### Outline Drawing:

All Dimensions in mm [inches]

Tolerance ±0.2 [0.008]



### Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information. RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.