



DC-4GHz Suspended Substrate Stripline (SSS) Low 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_o) available upon request.
- MIL-E-5400 standard

Electrical Specifications

Parameters		Min.	Typ.	Max.	Units
Frequency Range		DC		4	GHz
Insertion Loss			0.8	1.0	dB
Pass Band Ripple			0.8	1.0	dB
VSWR			1.3	1.5	: 1
Rejection	@4.6-10GHz	50	60		dB
Power Rating	Average			15	W
	Peak			100	W
Operating Temperature		-45		+85	°C
Impedance		50			Ohms
Weight		1.1			ounces
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finishing		Gray Paint			

DC-4GHz Low Pass SSS-Suspended Substrate Stripline Filter

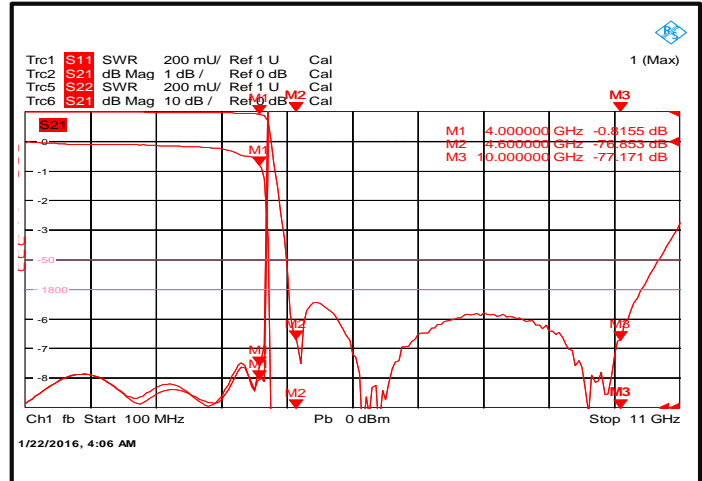


Environmental Specifications

Operational Temperature	-45 ~ +85°C
Storage Temperature	-55 ~ +125°C
Altitude	30,000 ft. (Epoxy Sealed Controlled Environment)
	60,000 ft 1.0psi min (Hermetically Sealed Uncontrolled 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

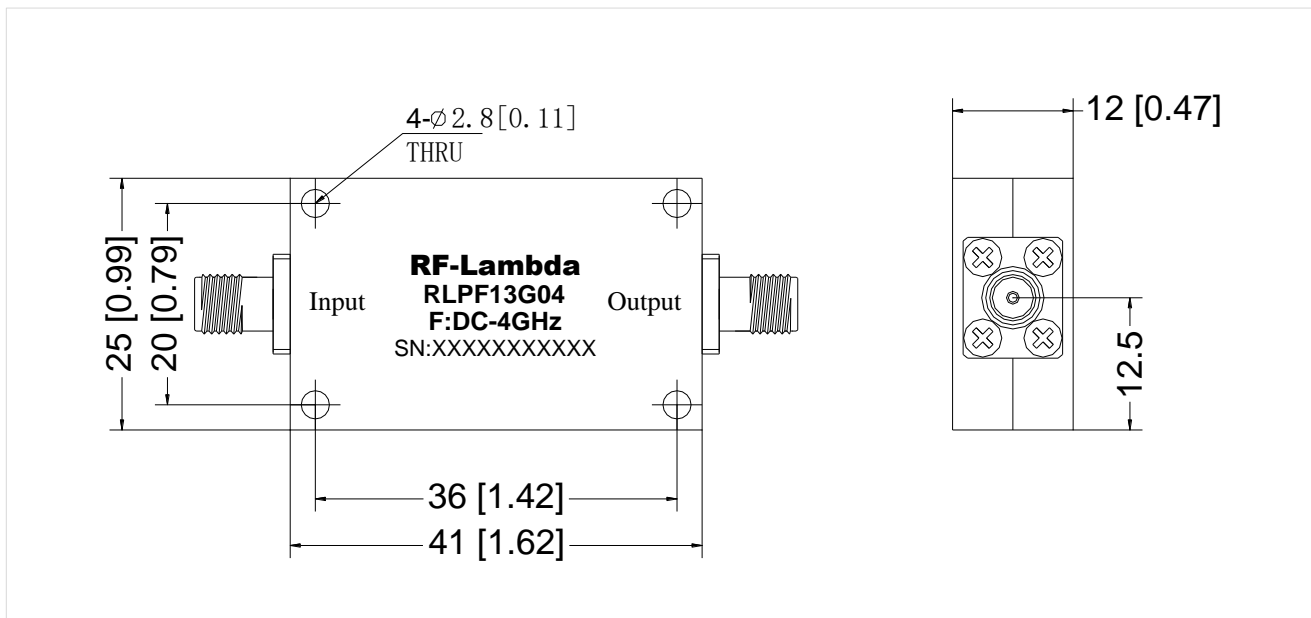
Typical Performance

IL, Ripple, Rejection, VSWR



Outline Drawing:

All Dimensions in mm [inches]



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