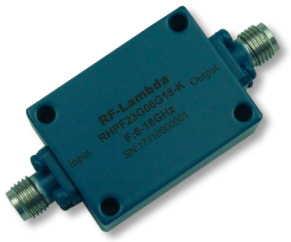
Suspended Substrate Stripline High Pass Filter
6 - 22GHz



Note: The photo is for illustration purposes only.
Please refer to the outline drawing.

Features

- SSS Filter - Suspended Substrate Strip-line Filter
- Flat frequency response and low insertion loss
- Designs that Cover up to 40 GHz Also Available

Typical Applications

- Wireless Infrastructure
- Military & Aerospace
- Test & Measurement

Electrical Specifications, T_A =25 ℃

Parameters		Min.	Typ.	Max.	Units
Frequency Range		6		22	GHz
Insertion Loss				1.0	dB
Pass Band Ripple				1.0	dB
VSWR				1.8	: 1
Rejection	@DC-5GHz	50			dB
Power Rating	Average			15	W
	Peak			100	W
Impedance		50			Ohms
Weight		1.1 Typ.			ounces
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finish		Blue Paint			

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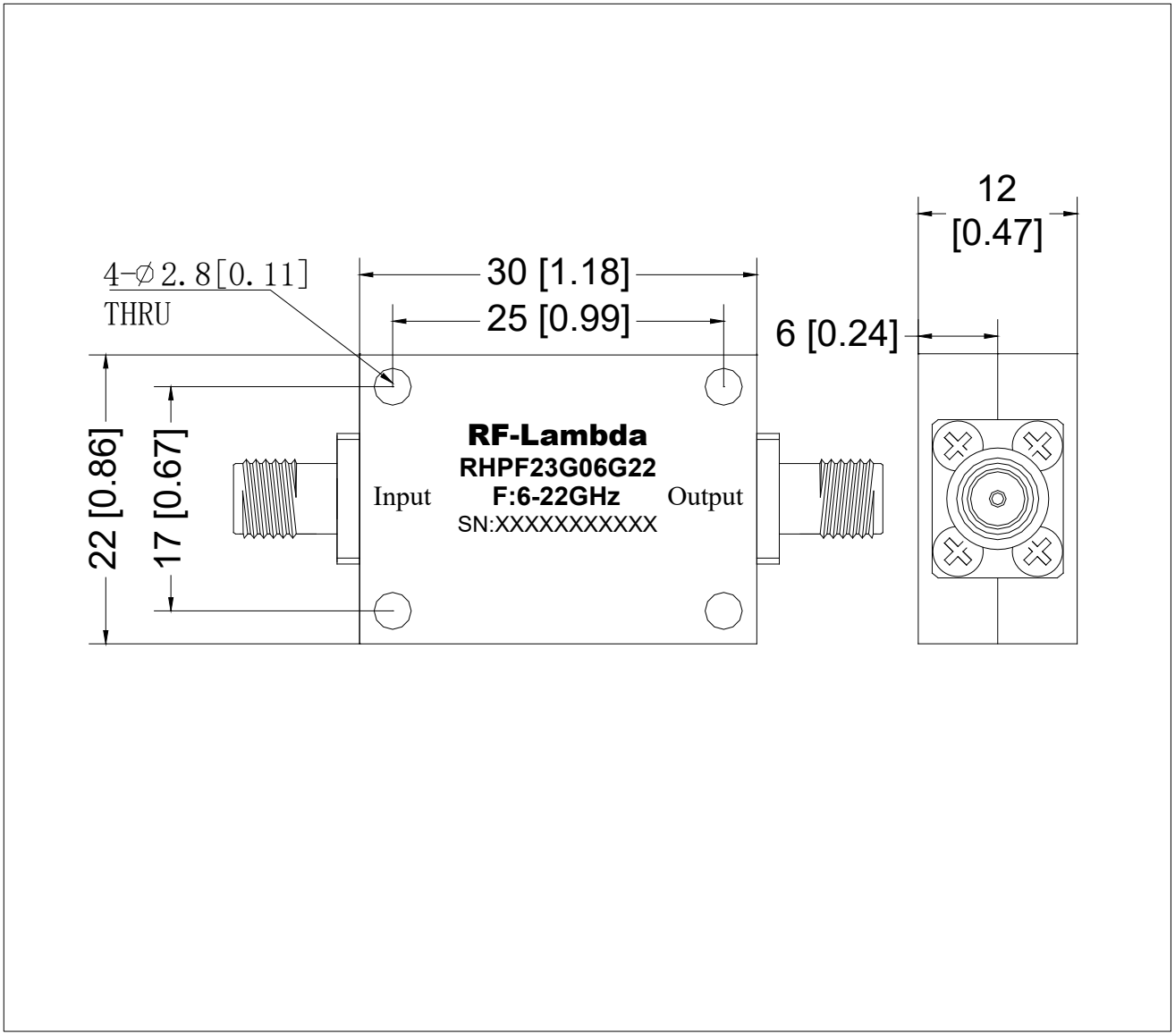
Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-55℃~+85℃
Storage Temperature	-55℃~+125℃
Thermal Shock	-55℃~+85℃ (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85℃ for 72 Hours
Shock	1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883 (For Hermetically Sealed Units)

Outline Drawing:

All Dimensions in mm [inches]
Outline Tolerance ±0.5 [0.02]
Mounting Hole Tolerance ±0.2 [0.008]



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