



### Tube LOW Pass Filter DC - 6GHz



#### Features

- Miniaturized Tube low Pass 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		DC		6	GHz
Insertion Loss			0.45	0.5	dB
VSWR			1.2	1.25	: 1
Rejection	@12GHz	60	62		dB
Power Rating	Average			60	W
	Peak			1	KW
Impedance		50			Ohms
Weight		0.35			Oz
Input / Output Connectors		SMA-Male / SMA-Female			
Material		Aluminum			
Finish		Blue Paint			

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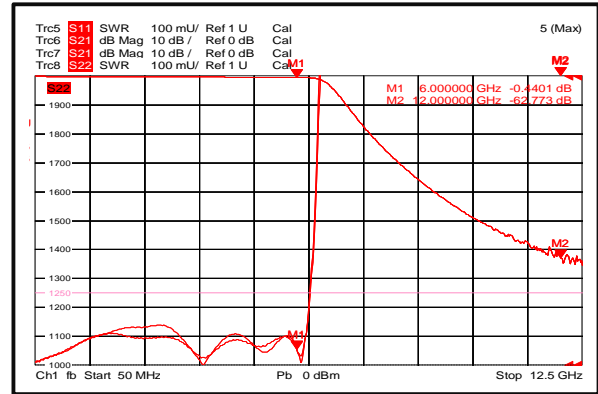


**Environmental Specifications**

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

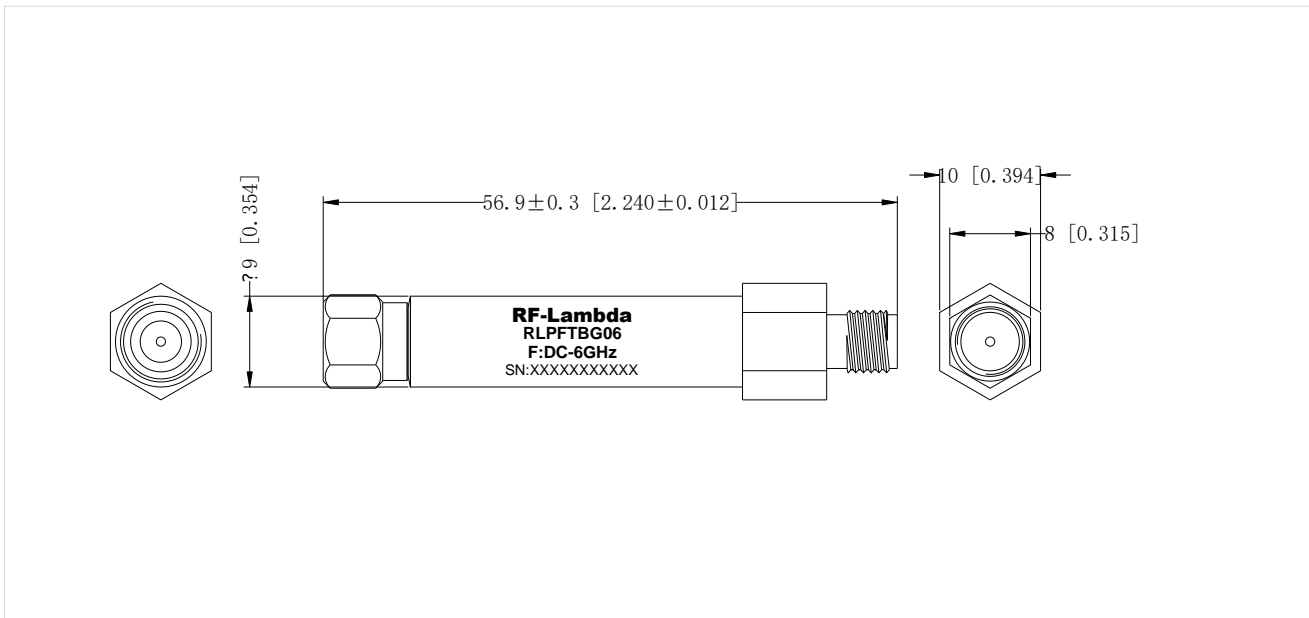
**Typical Performance Plots**

**Loss, Ripple, Rejection, VSWR**



**Outline Drawing:**

All Dimensions in mm [inches]



**Important Notice**

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