



2.2-2.7GHz Coaxial cavity Band Pass Filter



Features

- 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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	2.2		2.7	GHz
Insertion Loss		0.9	1.0	dB
Pass Band Ripple		0.6	0.8	dB
VSWR		1.5	1.6	
Rejection	@DC-2.15GHz	45	48	
	@2.75-5GHz	45	48	
Power Rating	Average		30	W
	Perk		0.3	KW
Operating Temperature	-45		+85	°C
Impedance		50		Ohms
Weight		200		g
Input / Output Connector		SMA-Female		
Material		Aluminum		
Finishing		Gray Paint		



RF-LAMBDA

LEADER OF BROADBAND SOLUTIONS

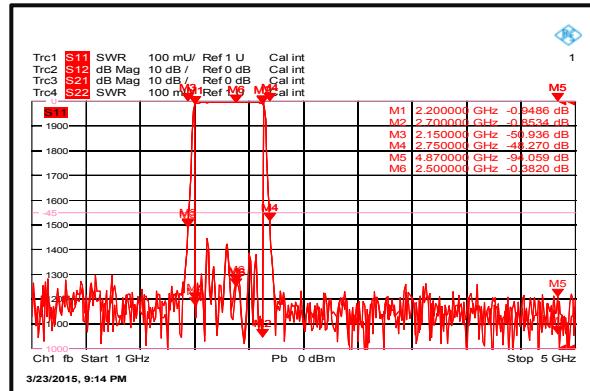
RBPF2450

Environment specifications

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

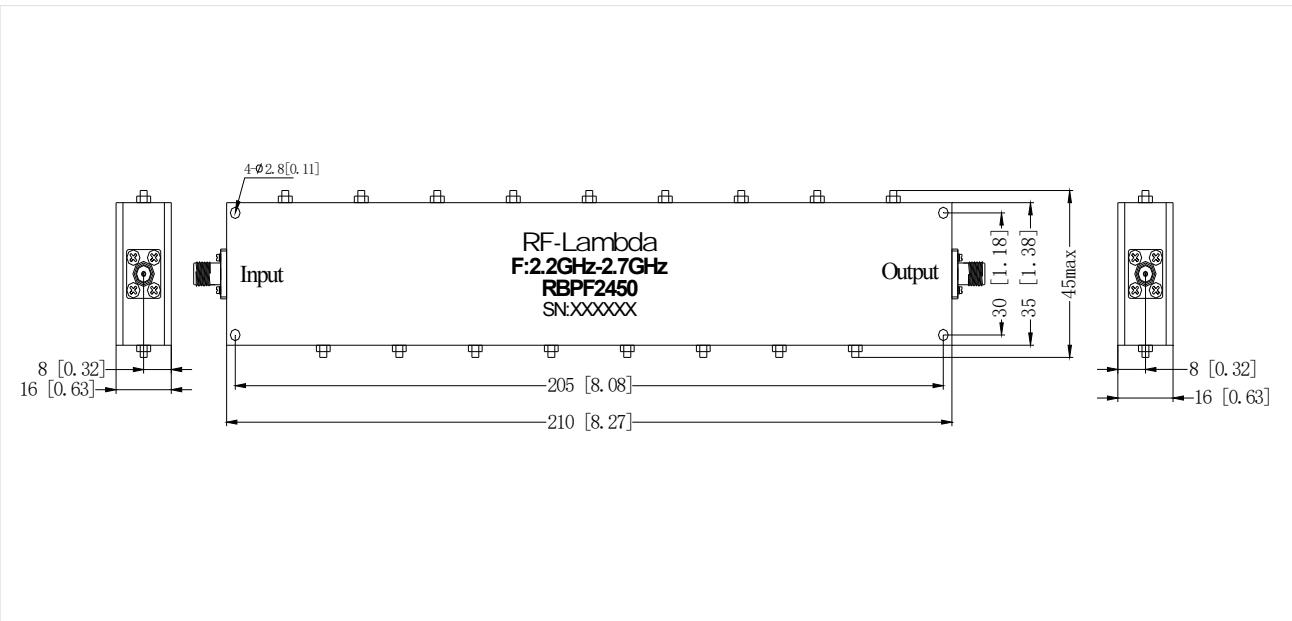
Typical performance plots

Loss VS. Ripple VS. Rejection VS. VSWR



Outline Drawing:

All Dimensions in mm (inches)



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