



1. Feature

- ▶ High Performance
- ▶ High Reliability
- ▶ RoHS Compliant

Bandpass Filter

Part No: CBF08050M08350Q07A1

Date: Jan.24th.2022

Revision No: Preliminary

2. Electrical Specifications

Parameter	Specification	Remark
Pass Band	8050-8350MHz	
Rejection Band	$\geq 40\text{dB}@DC\sim 7000\text{MHz}$ // $\geq 60\text{dB}@8400\sim 8450\text{MHz}$ $\geq 40\text{dB}@8450\sim 17000\text{MHz}$ $\geq 58\text{dB}@8400\sim 8450\text{MHz}$ (-40 to +85 °C)	
Insertion Loss	$\leq 1.0\text{dB}$ (Room Temperature) $\leq 1.2\text{dB}$ (-40 to +85 °C)	
Ripple in Band	$\leq 0.8\text{dB}$	
Return Loss	$\geq 14\text{dB}$	
Average Power	35W	
Impedance	50Ω	

3. Mechanical Specifications

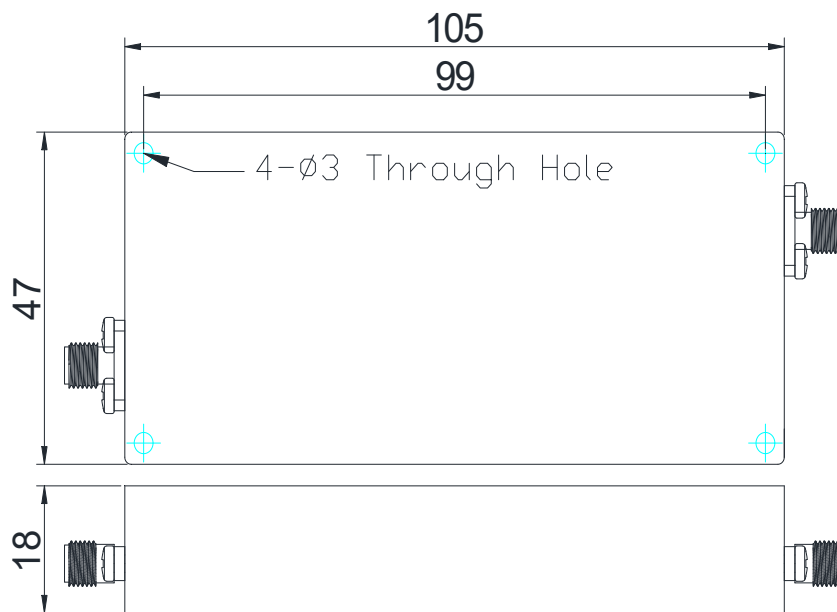
Parameter	Specifications	Remark
Dimensions	105.0 x 47.0 x 16.0 mm (Not including the tuning screws and connectors)	
Connector Type	SMA-female	
Surface Finish	Black Painting	

4. Temperature Specifications

Parameter	Specifications	Remark
Operational Temperature	-40 to +85 °C	
Storage Temperature	-45 to +90 °C	



5.Outline Drawing ($\pm 0.3\text{mm}$)



6. Test Curves

