

PRODUCT SPECIFICATION FOR INFORMATION

FINAL SPECIFICATION

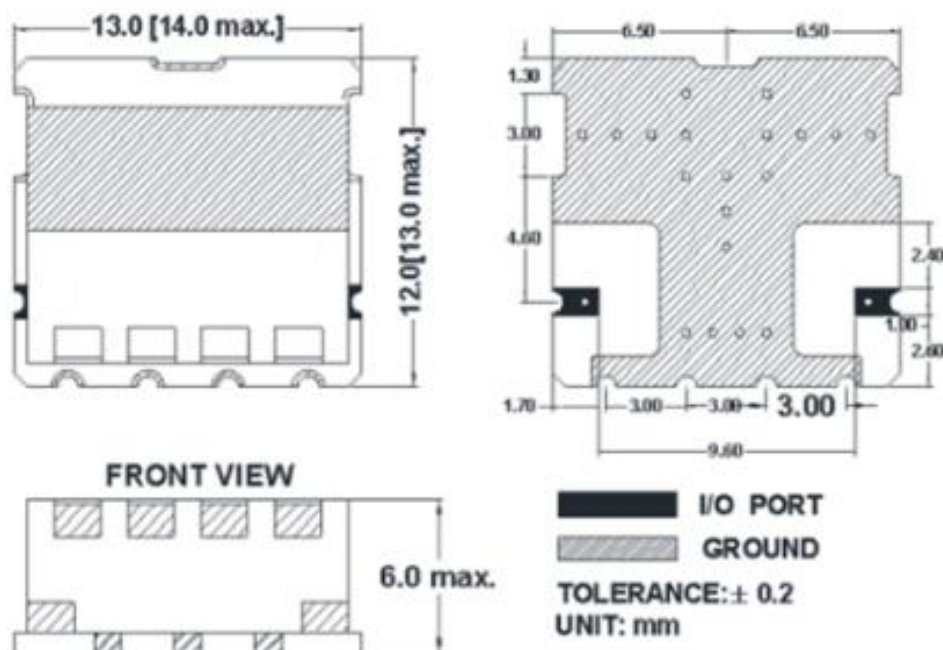
Product Name : Ceramic Mono Band Pass Filter

Part No : MBP-C4590-600MM-A-R1

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.02.21	Jeffrey Jeong	Michael Jeon
2	R1	Added Linear Phase Definition	2023.04.17	Jeffrey Jeong	Michel Jeon
3					
4					
5					
6					

■ Mechanical Drawing



■ Electrical Specification

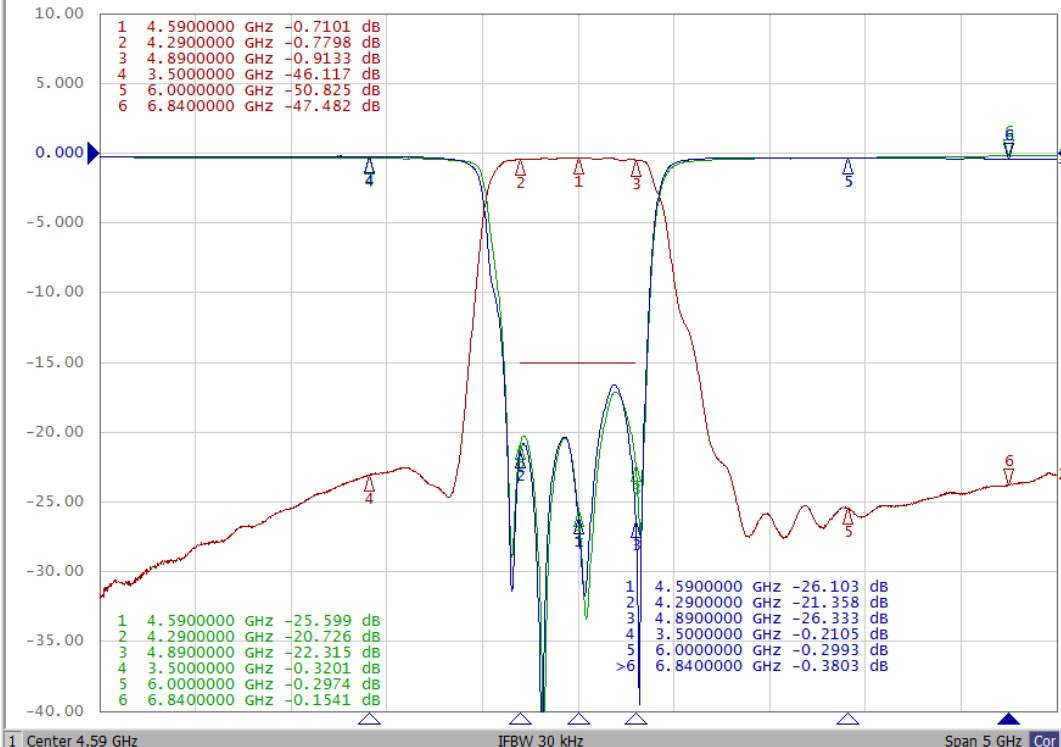
Parameter	Specification	Remark
1. Center Frequency	4950MHz	
2. Frequency Range	Fo ±300[4290 ~ 4890]MHz	
3. Insertion Loss	1.5dB Max.	
4. VSWR	1.5 : 1 Max.	
5. Rejection	45dB Min @ 3500MHz 40dB Min @ 6000MHz 45dB Min @ 7000MHz	
6. Linear Phase Definition	±3° [4290 ~ 4890MHz]	
6. Power Handling	2W Max	
7. Impedance	50Ω	
8. Operating Temperature	-40°C ~ +85°C	
9. Size	13.0 X 12.0 X 6.0mm	

Test Curve

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]
Tr3 S22 Log Mag 5.000dB/ Ref 0.000dB [F2]



1 Center 4.59 GHz

IFBW 30 kHz

Span 5 GHz

Hold Stop ExtRef Svc 2023-03-18 08:58

Resize

Trigger

Hold

Single

Continuous

Hold

All Channels

Continuous

Disp Channels

Trigger Source

Internal

Trigger Event

On Sweep

Trigger Scope

All Channel

Restart

Trigger

Ext Trig Input

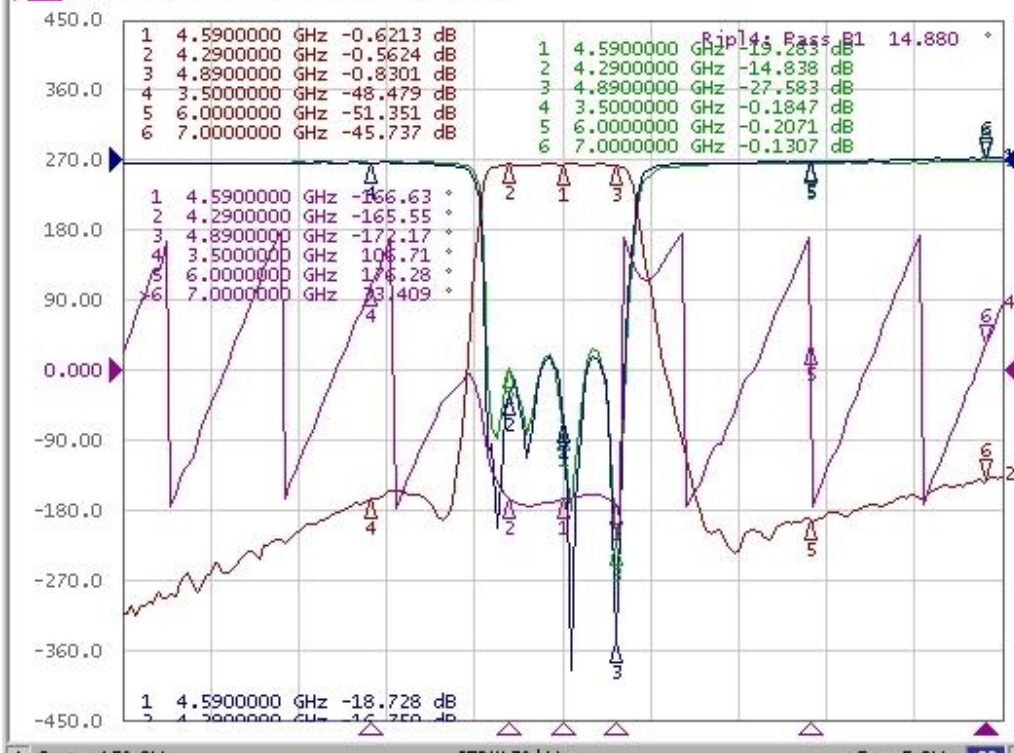
Negative Edge

Trigger Delay

0.0000 s

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S31 Log Mag 10.00dB/ Ref 0.000dB [F2]
Tr3 S33 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr4 S31 Phase 90.00°/ Ref 0.000° [F2 Del]



1 Center 4.59 GHz

IFBW 30 kHz

Span 5 GHz

Display

Display

Data

Data -> Mem

Data Math

OFF

Equation Editor...

Equation

OFF

Edit Title Label

Title Label

OFF

Graticule Label

ON

Invert Color

ON