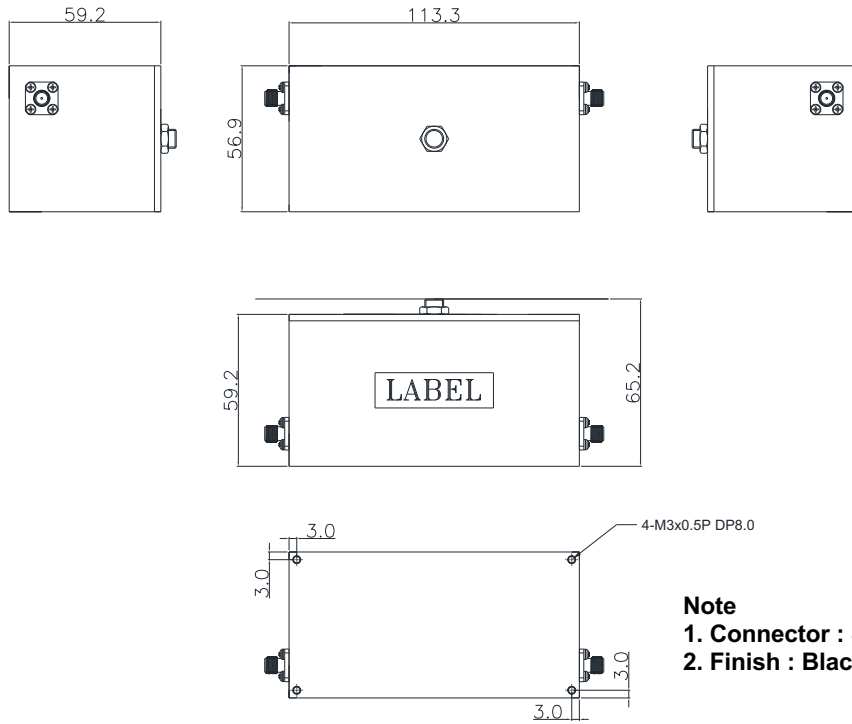


■ Mechanical Drawing





**HD34191**

**Band Pass Filter**

■ **Electrical Specification**

Parameter	Specification	Remark
1. Center Frequency	655.5MHz	
2. Frequency Range	fo ±1.5[654~657]MHz	
3. Insertion Loss	2.0dB Max.	
4. Return Loss	15dB Min.	
5. Attenuation[Absolute Value]	50 dB min.@10-638MHz	
	50 dB min.@ 664-1000MHz	
6. Size	113.3.0x56.9x56.2mm	
7. Input RF Power	1W (CW)	
8. Impedance	50Ω	
9. Operation Temperature Range	-20°C to +80°C	
10. Relative Humidity	10% - 95%	
11. Random Vibration	MIL-STD-810 F Method 514.5 procedure C1.3 axes, 20min.per each axis.	
12. Dust	MIL 810F Method 510.4 Procedure III settling dust	
13. Safety requirement	Approved according to UL/CE or similar standards	
14. Finish	Black Epoxy Coating	

Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.



**HD34191**

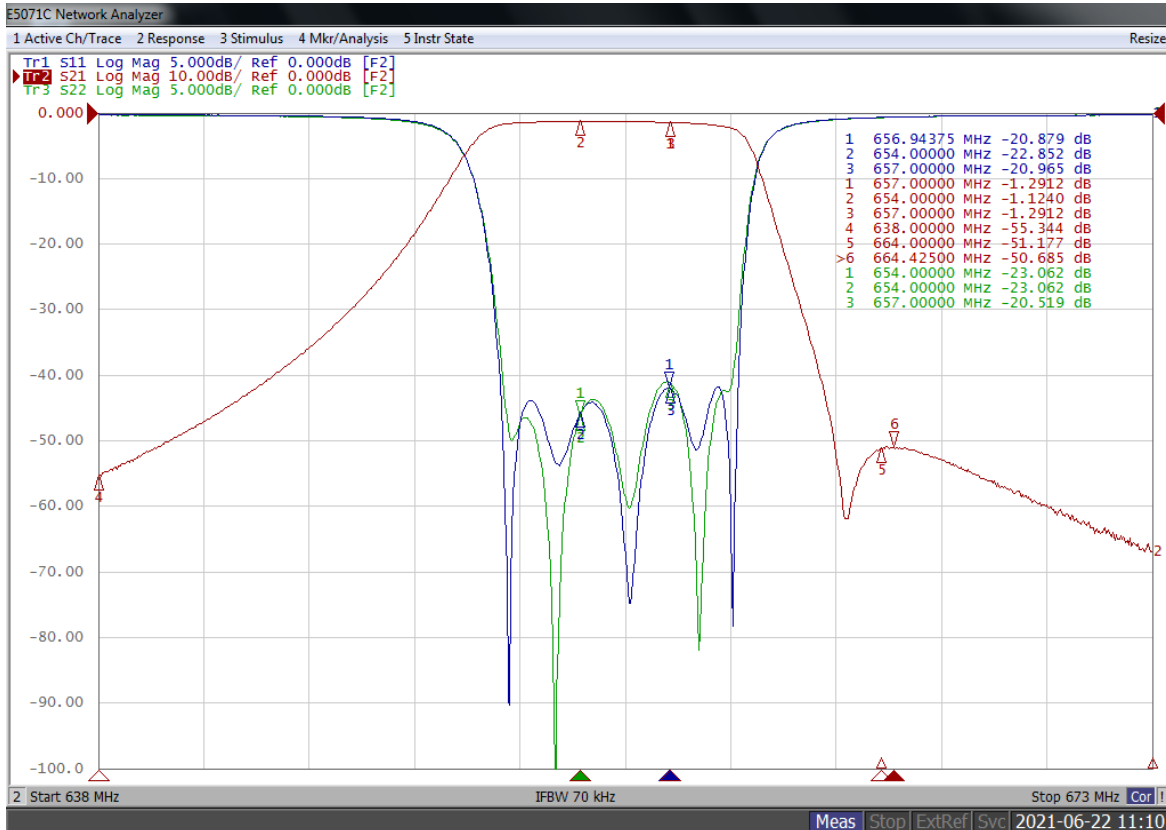
**Band Pass Filter**

■ Sample Data

Parameter	Specification	Temp : +25°C		
		21060001	21060002	21060003
Center Frequency	655.5MHz			
Frequency Range	C.F±1.5MHz [654~657MHz]			
Insertion Loss	2.0dB Max	1.29 dB	1.30 dB	1.25 dB
Return Loss	15dB Min	20.88 dB	21.31 dB	24.90 dB
Attenuation	50dB Min @ 10~638MHz	55.34 dB	54.09 dB	53.58 dB
	50dB Min @ 664~1000MHz	50.69 dB	50.96 dB	50.85 dB
Input RF Power	1W (CW)			
Impedance	50Ω			

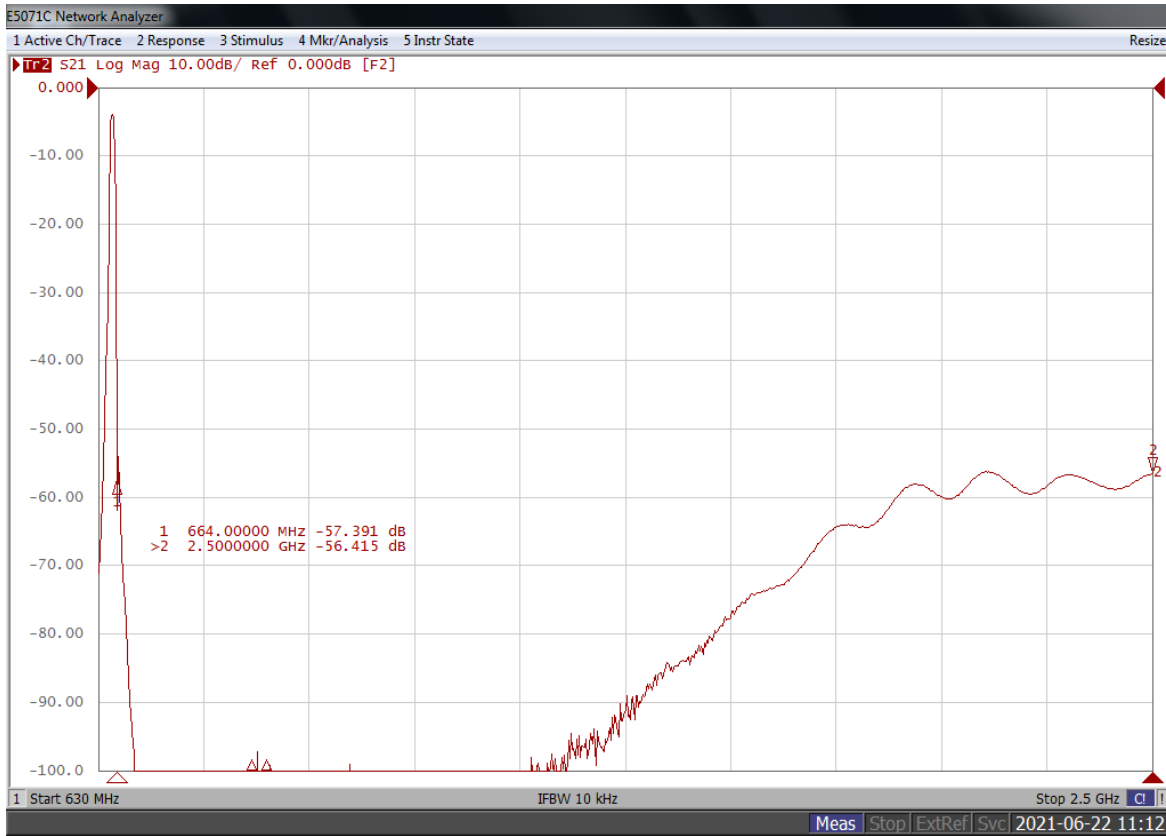
■ Sample Data Graph

1) 21060001



**HD34191**

**Band Pass Filter**



338 Jericho Tpke. Ste 387, Syosset, NY 11791

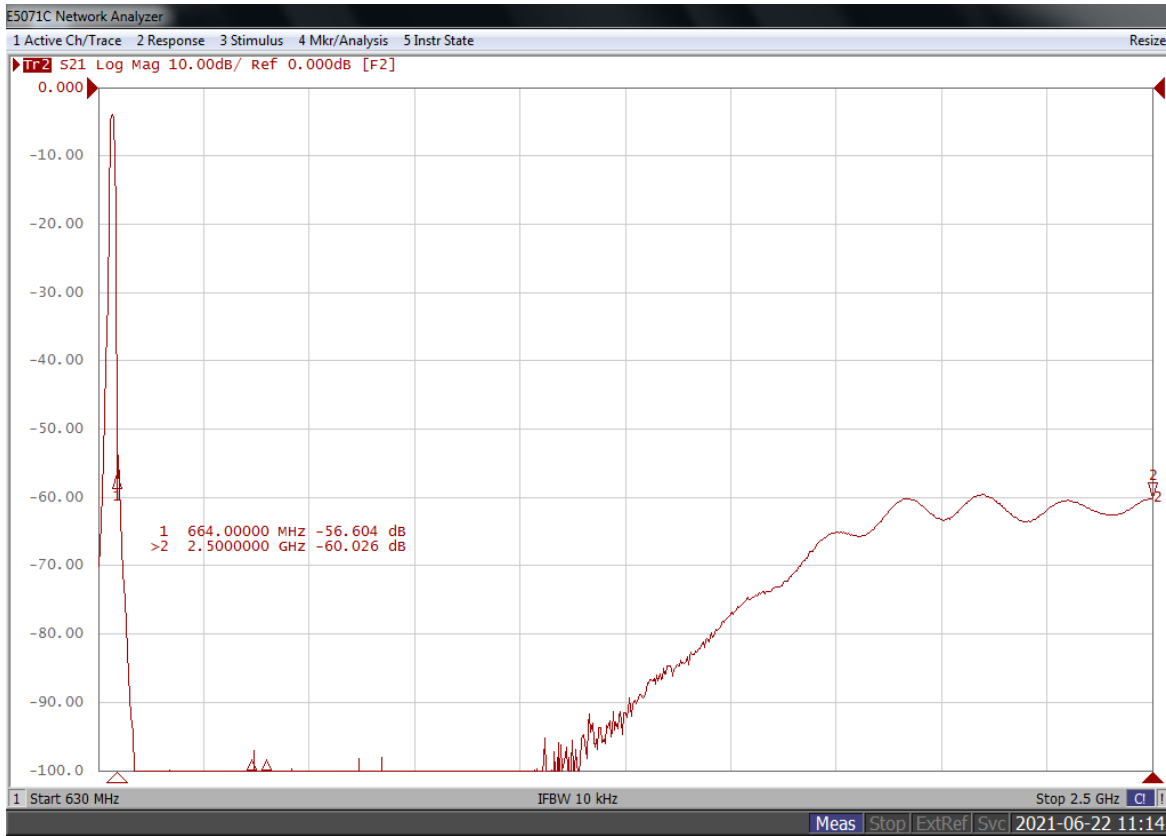
Tel: (631) 588-3877 Email: [sales@hocom.com](mailto:sales@hocom.com)

© COPYRIGHT 2008-2023 HD Communications Corp.

All rights reserved. Redistribution or republication of these pages in any form requires express written consent.

2) 21060002





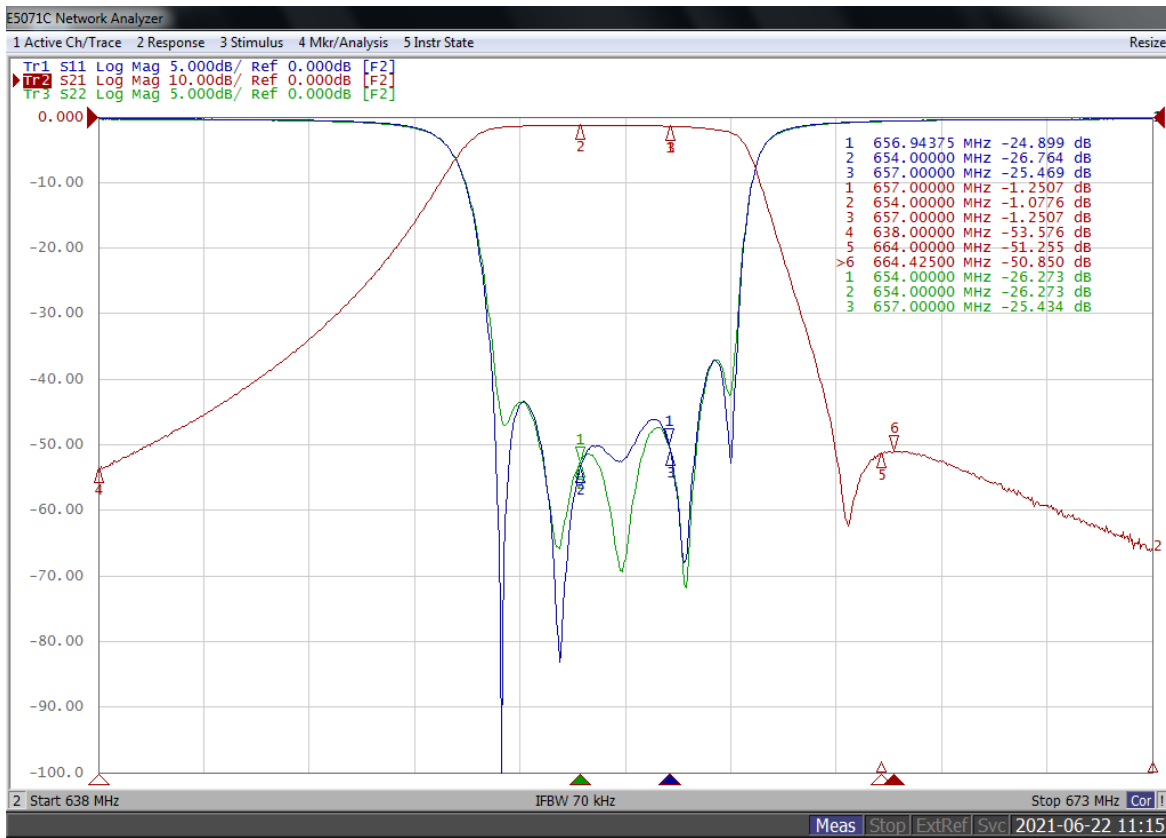
338 Jericho Tpke. Ste 387, Syosset, NY 11791

Tel: (631) 588-3877 Email: [sales@hdc.com](mailto:sales@hdc.com)

© COPYRIGHT 2008-2023 HD Communications Corp.

All rights reserved. Redistribution or republication of these pages in any form requires express written consent.

3) 21060003





**HD34191**

**Band Pass Filter**



338 Jericho Tpke. Ste 387, Syosset, NY 11791

Tel: (631) 588-3877 Email: [sales@hdc.com](mailto:sales@hdc.com)

© COPYRIGHT 2008-2023 HD Communications Corp.

All rights reserved. Redistribution or republication of these pages in any form requires express written consent.