

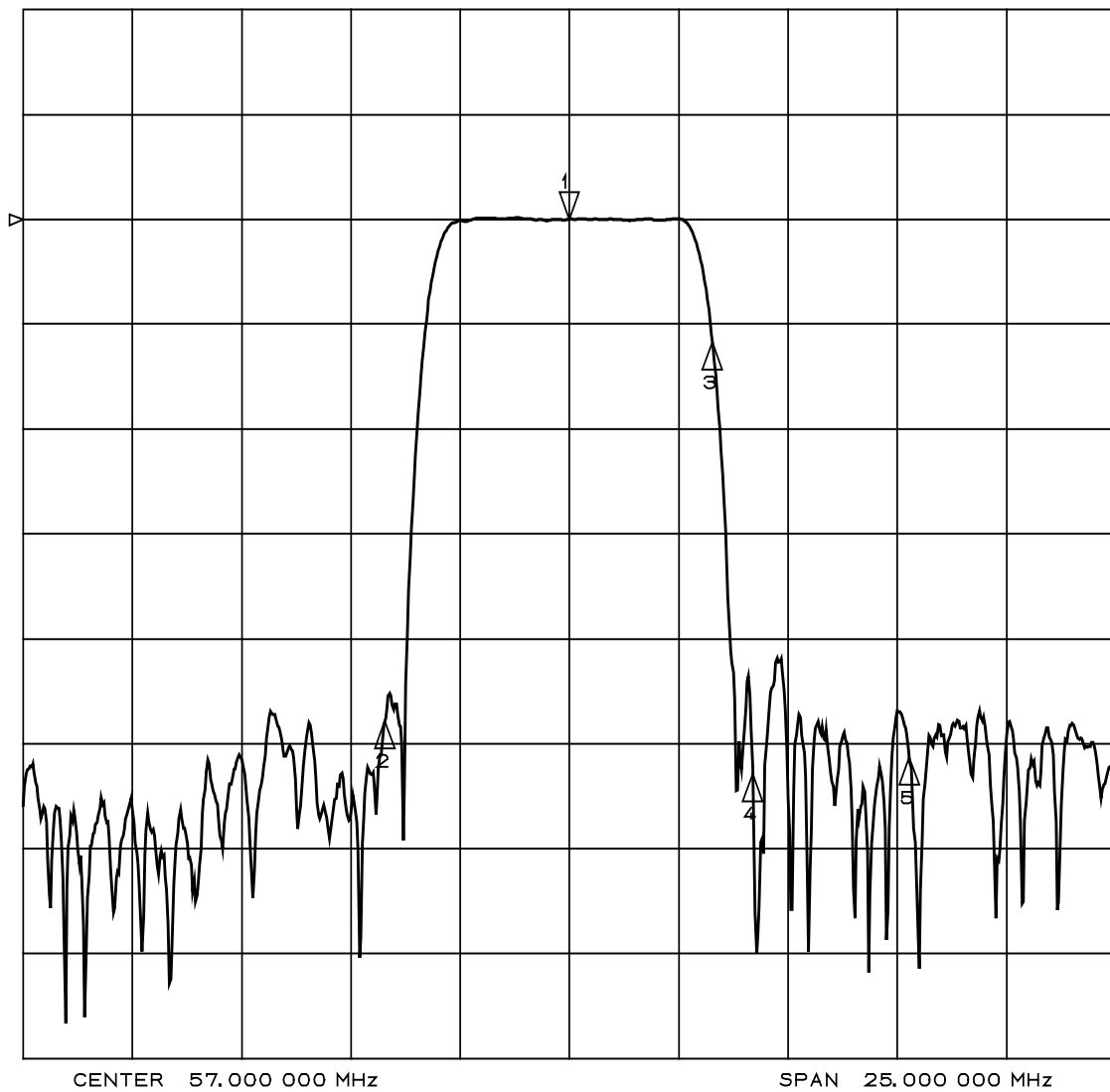
Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV		
System	Japan		
Picture Carrier Frequency	57.00 MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-57M000-H0J3	Version	1.0

Table 1 Proposal Specification (Ta=25°C(45°C))

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	57.02 (57.00) MHz	13.6	15.1	16.6	dB	
Relative level	45.02 ~ 50.02 MHz (45.00 ~ 50.00 MHz)	-	-49	-42	dB	
	50.02 ~ 52.77 MHz (50.00 ~ 52.75 MHz)	-	-46	-38	dB	
	52.77 (52.75) MHz	-	-48	-40	dB	
	53.52 (53.50) MHz	-	-19	-	dB	
	54.21 (54.19) MHz	-1.8	-0.8	0.2	dB	
	57.02 (57.00) MHz	-	0	-	dB	Reference
	59.83 (59.81) MHz	-2.3	-1.3	-0.3	dB	
	60.27 (60.25) MHz	-	-12	-	dB	
	62.40 (62.38) MHz	-	-54	-43	dB	
	64.77 (64.75) MHz	-	-52	-43	dB	
Amplitude ripple (p-p)	62.40 ~ 70.02 MHz (62.38 ~ 70.00 MHz)	-	-45	-38	dB	
	54.52 ~ 59.52 MHz (54.50 ~ 59.50 MHz)	-	0.4	-	dB	
Group delay ripple (p-p)	54.21 ~ 59.83 MHz (54.19 ~ 59.81 MHz)	-	31	-	ns	
Input Impedance	57.00 MHz	-	1.1//20.9	-	kΩ//pF	
Output Impedance	57.00 MHz	-	3.4//6.9	-	kΩ//pF	
Temperature coefficient		-	-18	-	ppm/°C	

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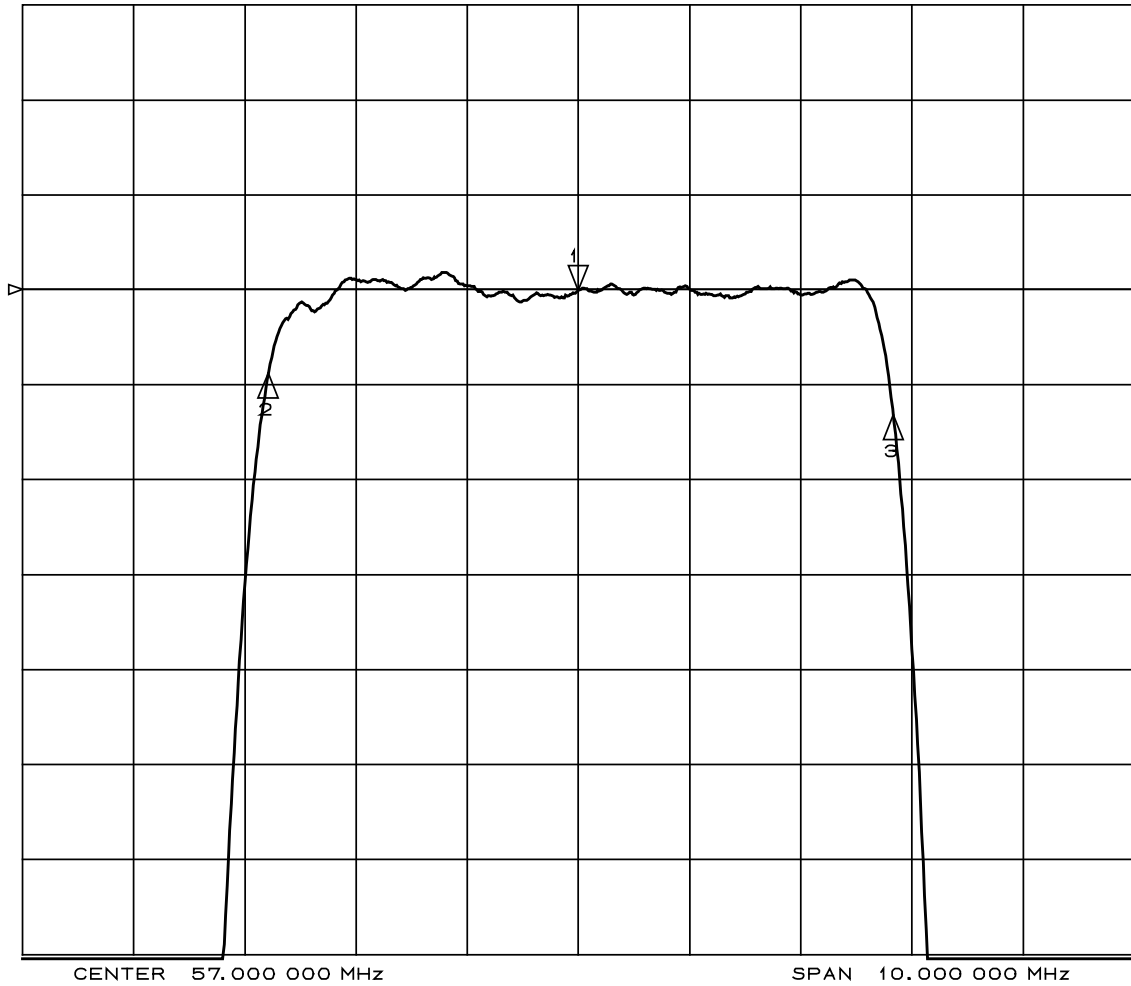
Amplitude Response (10dB/div)



- Marker 1 = 57.02 MHz
- Marker 2 = 52.77 MHz
- Marker 3 = 60.27 MHz
- Marker 4 = 61.19 MHz
- Marker 5 = 64.77 MHz

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Amplitude Response (1dB/div)

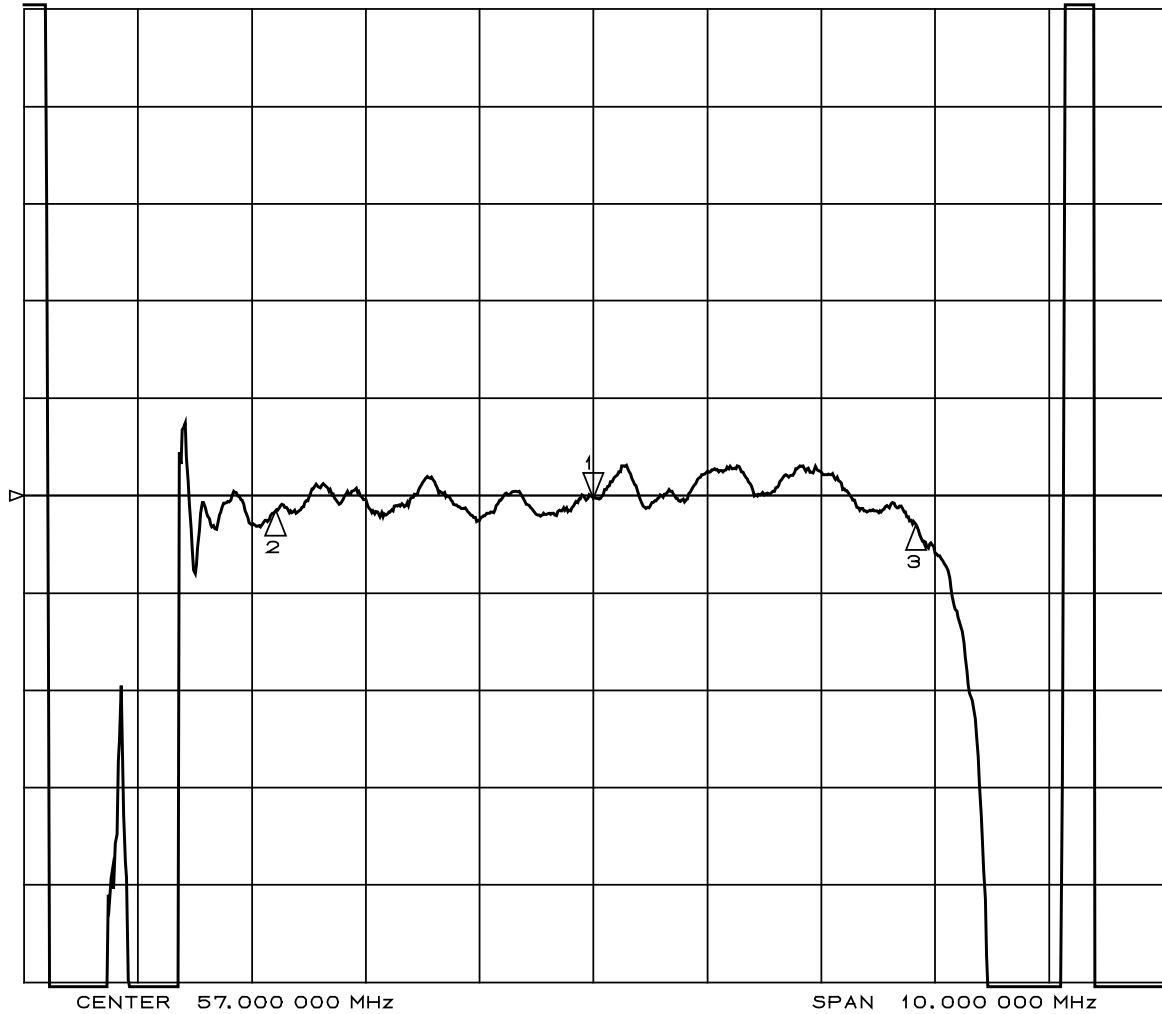


Marker 1 = 57.02 MHz
 Marker 2 = 54.21 MHz
 Marker 3 = 59.83 MHz

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Group Delay (50ns/div)

Delay Aper.=250kHz



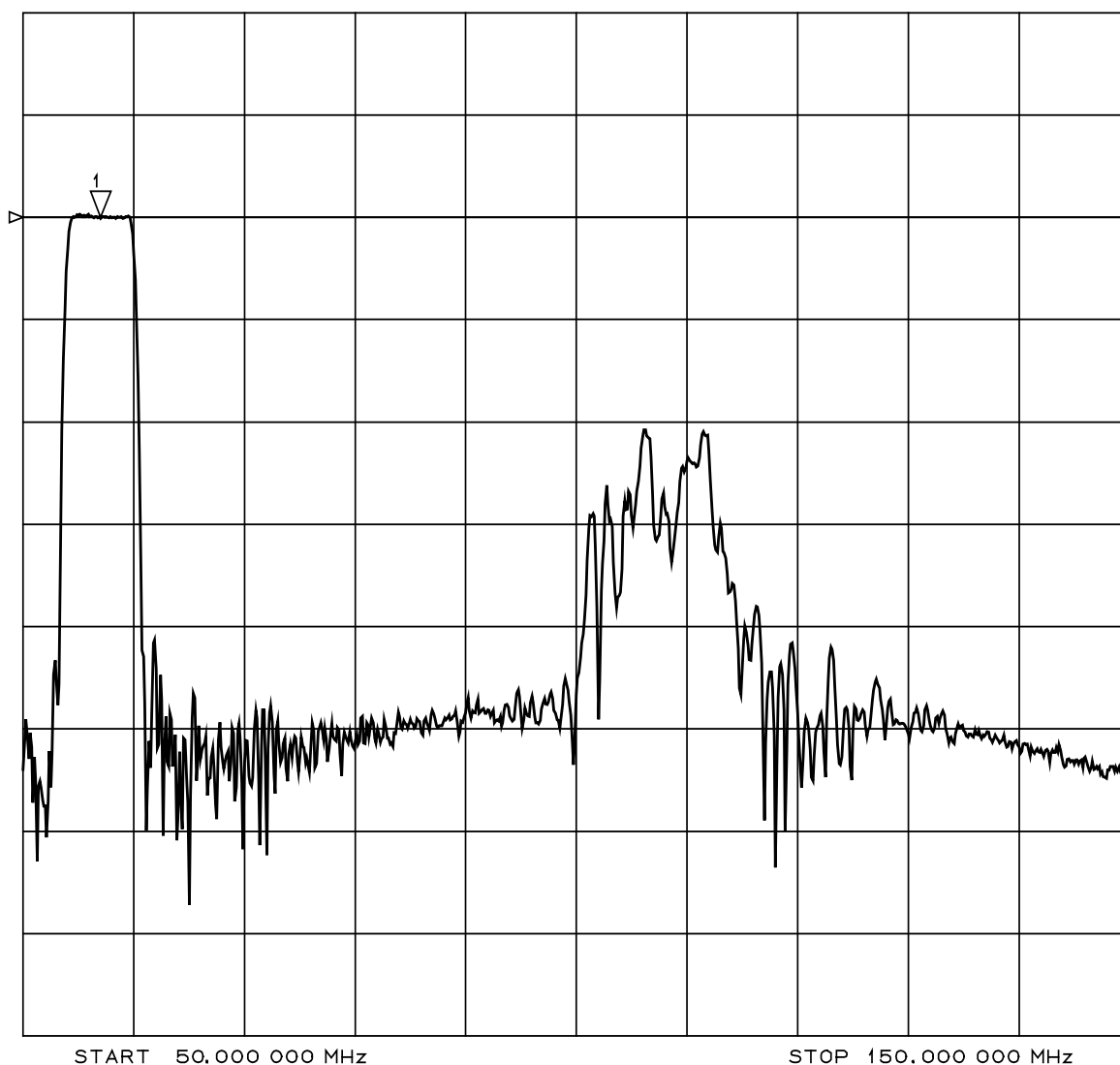
Marker 1 = 57.02 MHz

Marker 2 = 54.21 MHz

Marker 3 = 59.83 MHz

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Amplitude Response (10dB/div)
(50.0MHz ----- 150.0MHz)



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Time domain Response (10dB/div)

