

Customer Name	<b>Standard specification</b>	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for TV		
System	Japan		
Picture Carrier Frequency	58.75 MHz	DATE	Nov. 16 2005
FMD Part Number	FAR-G4SB-58M750-D018	Version	1.0

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

**( Video Channel)**

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	57.08 (57.00) MHz	13.1	14.6	16.1	dB	
Relative level	45.08 ~ 52.83 MHz (45.00 ~ 52.75 MHz)	–	–47	–30	dB	
	52.83 (52.75) MHz	–	–52	–42	dB	
	54.33 (54.25) MHz	–	–31	–18	dB	
	55.25 (55.17) MHz	–2.6	–1.6	–0.6	dB	
	57.08 (57.00) MHz	–	0	–	dB	Reference
	58.83 (58.75) MHz	–6.2	–5.3	–4.2	dB	
	60.33 (60.25) MHz	–	–46	–40	dB	
	60.33 ~ 65.08 MHz (60.25 ~ 65.00 MHz)	–	–43	–30	dB	
Group delay	55.25 (55.17) MHz	–	133	–	ns	
	55.83 (55.75) MHz	–	111	–	ns	
	56.83 (56.75) MHz	–	39	–	ns	
	57.83 (57.75) MHz	–	45	–	ns	
	58.83 (58.75) MHz	–	0	–	ns	Reference
Input capacitance	1.0 MHz	–	17.3	–	pF	
Output capacitance	1.0 MHz	–	3.3	–	pF	
Temperature coefficient		–	–72	–	ppm/°C	

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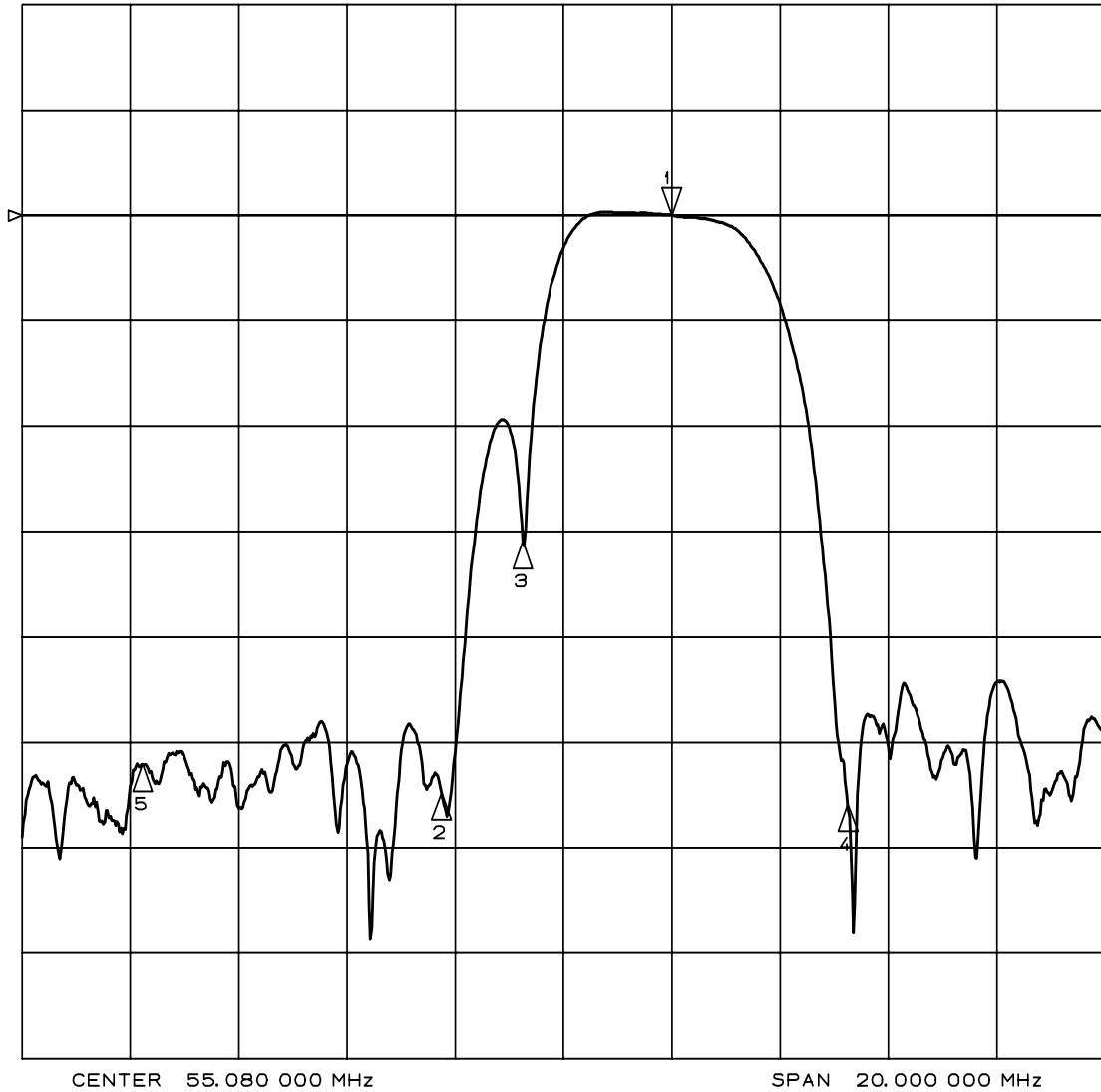
**( Sound Channel )**

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	54.33 (54.25) MHz	11.5	13.5	15.5	dB	
Relative level	45.08 ~ 52.83 MHz (45.00 ~ 52.75 MHz)	–	–35	–25	dB	
	52.83 (52.75) MHz	–	–33	–25	dB	
	54.33 (54.25) MHz	–	0	–	dB	Reference
	55.25 (55.17) MHz	–	–17	–12	dB	
	58.83 (58.75) MHz	–	–39	–30	dB	
	60.33 (60.25) MHz	–	–47	–30	dB	
	60.33 ~ 65.08 MHz (60.25 ~ 65.00 MHz)	–	–41	–27	dB	
Output capacitance	1.0 MHz	–	2.3	–	pF	
Temperature coefficient		–	–72	–	ppm/°C	



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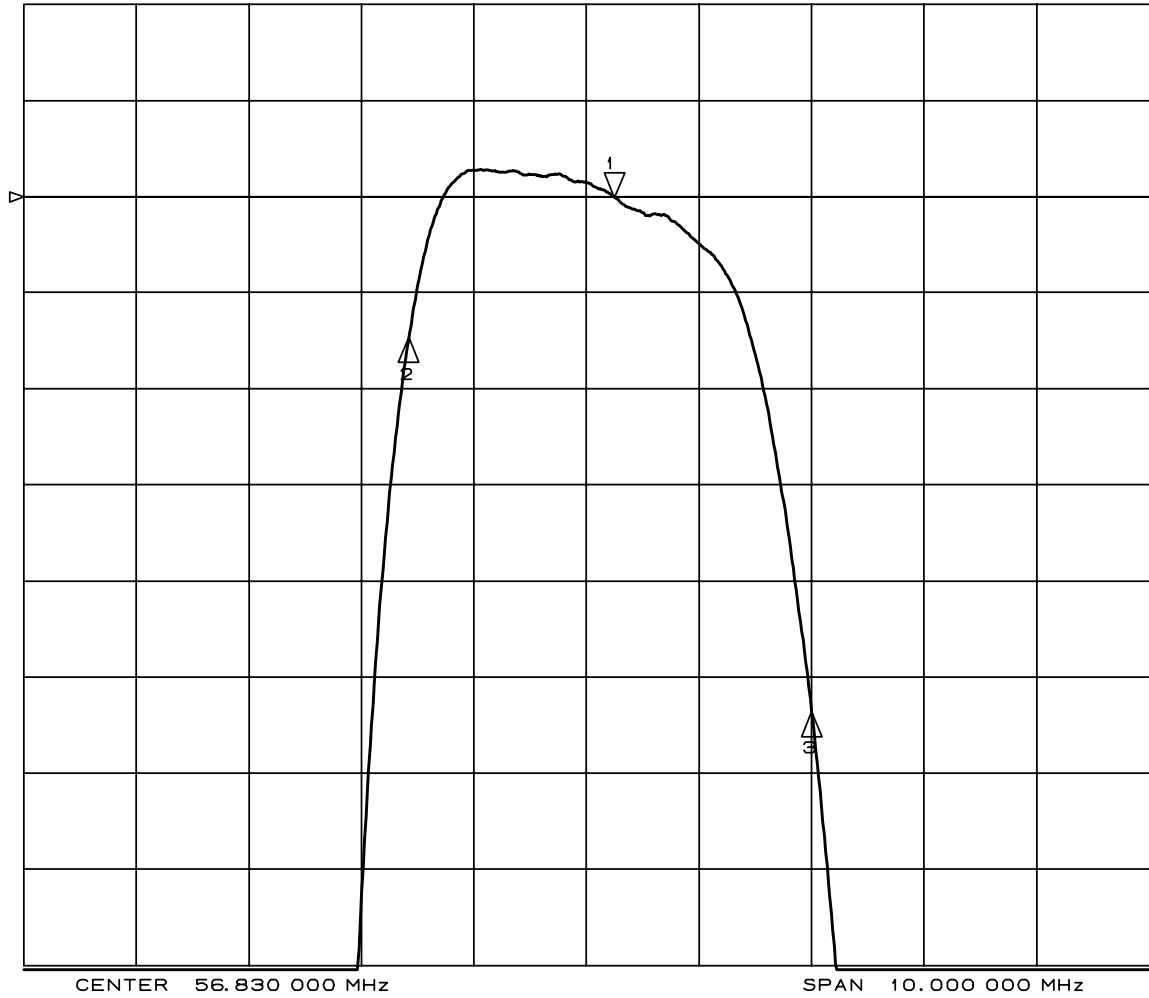
Amplitude Response (10dB/div) Video channel



- Marker 1 = 57.08MHz
- Marker 2 = 52.83 MHz
- Marker 3 = 54.33 MHz
- Marker 4 = 60.33 MHz

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Amplitude Response (1dB/div) Video channel



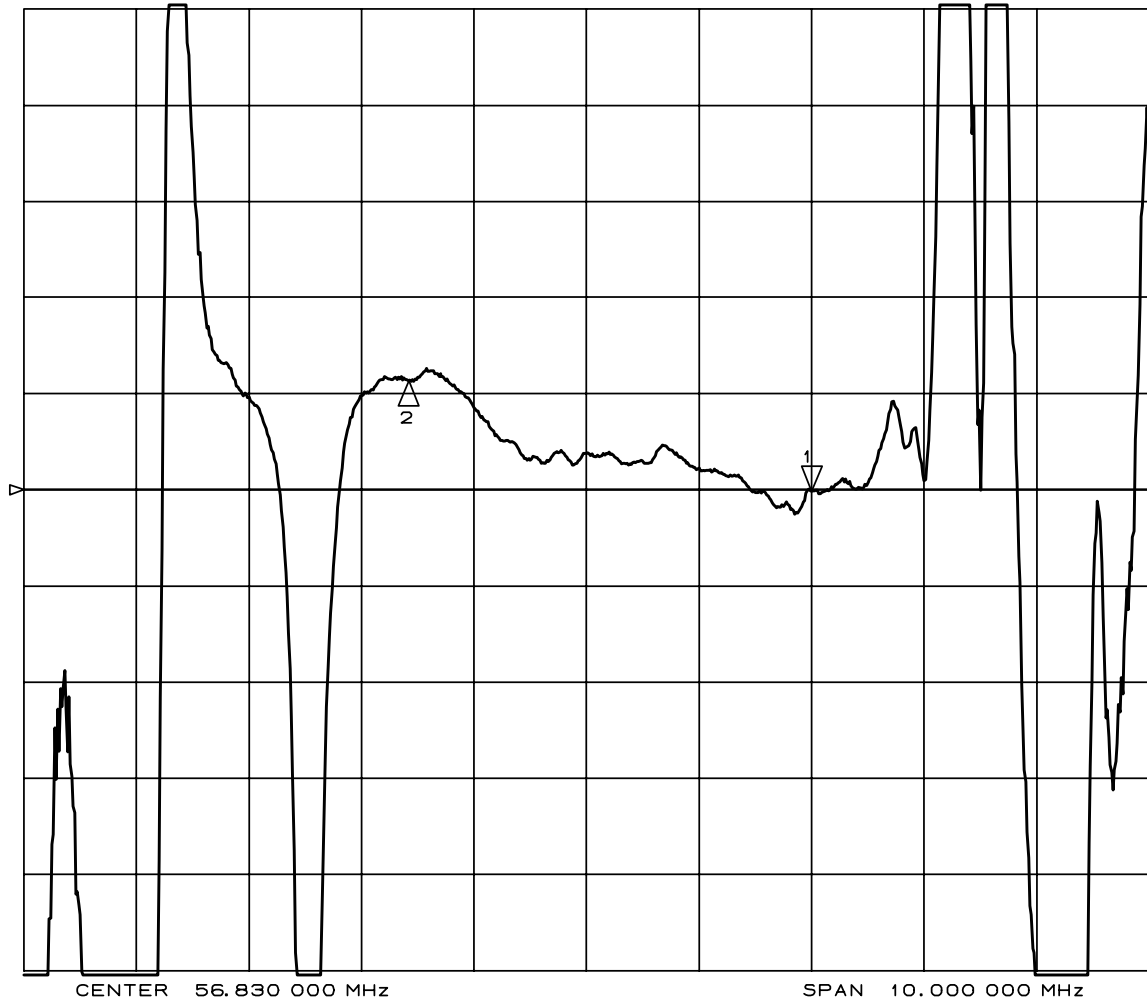
**Marker 1 = 57.08 MHz**

**Marker 2 = 55.25 MHz**

**Marker 3 = 58.83 MHz**

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Group Delay (100ns/div) Video channel  
 Delay Aper.=200kHz

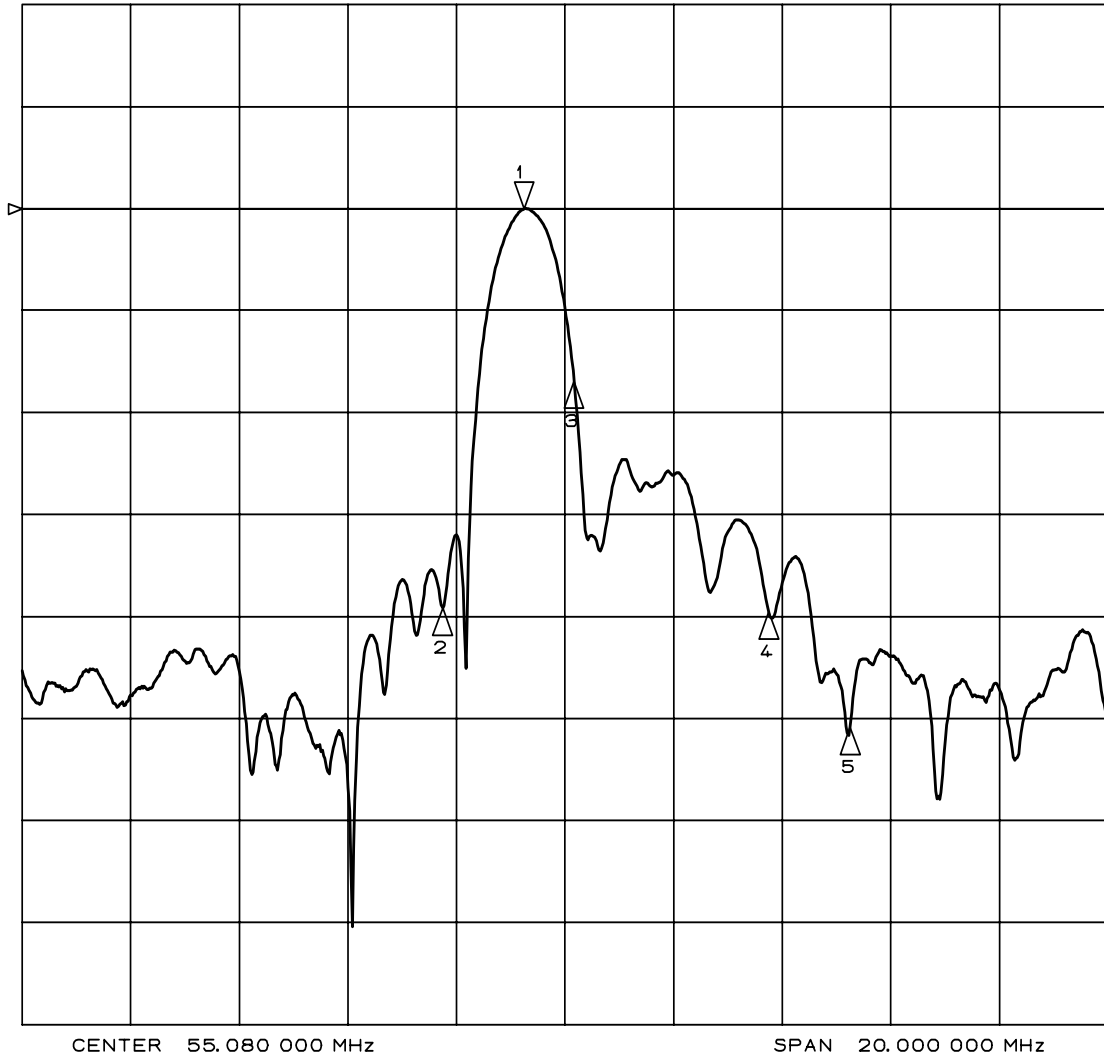


**Marker 1 = 58.83 MHz**

**Marker 2 = 55.25 MHz**

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Amplitude Response (10dB/div) Sound channel



- Marker 1 = 54.33MHz
- Marker 2 = 52.83 MHz
- Marker 3 = 55.25 MHz
- Marker 4 = 58.83 MHz
- Marker 5 = 60.33 MHz