

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for TV		
System	M/N		
Picture Carrier Frequency	45.75 MHz	DATE	Mar. 08 2006
FMD Part Number	FAR-G4SB-45M750-D025	Version	2.0

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

(Video Channel)

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	44.06 (44.00) MHz	15.9	17.4	18.9	dB	
Relative level	35.06 ~ 39.81 MHz (35.00 ~ 39.75 MHz)	–	–46	–30	dB	
	39.81 (39.75) MHz	–	–51	–42	dB	
	41.31 (41.25) MHz	–	–24	–15	dB	
	42.23 (42.17) MHz	–2.8	–1.8	–0.8	dB	
	44.06 (44.00) MHz	–	0	–	dB	Reference
	45.81 (45.75) MHz	–6.6	–5.6	–4.6	dB	
	47.31 (47.25) MHz	–	–52	–42	dB	
	47.31 ~ 55.06 MHz (47.25 ~ 55.00 MHz)	–	–41	–30	dB	
Group delay	42.23 (42.17) MHz	–	62	–	ns	
	42.81 (42.75) MHz	–	30	–	ns	
	43.81 (43.75) MHz	–	23	–	ns	
	44.81 (44.75) MHz	–	8	–	ns	
	45.81 (45.75) MHz	–	0	–	ns	Reference
Input capacitance	1.0 MHz	–	15.6	–	pF	
Output capacitance	1.0 MHz	–	2.9	–	pF	
Temperature coefficient		–	–72	–	ppm/°C	

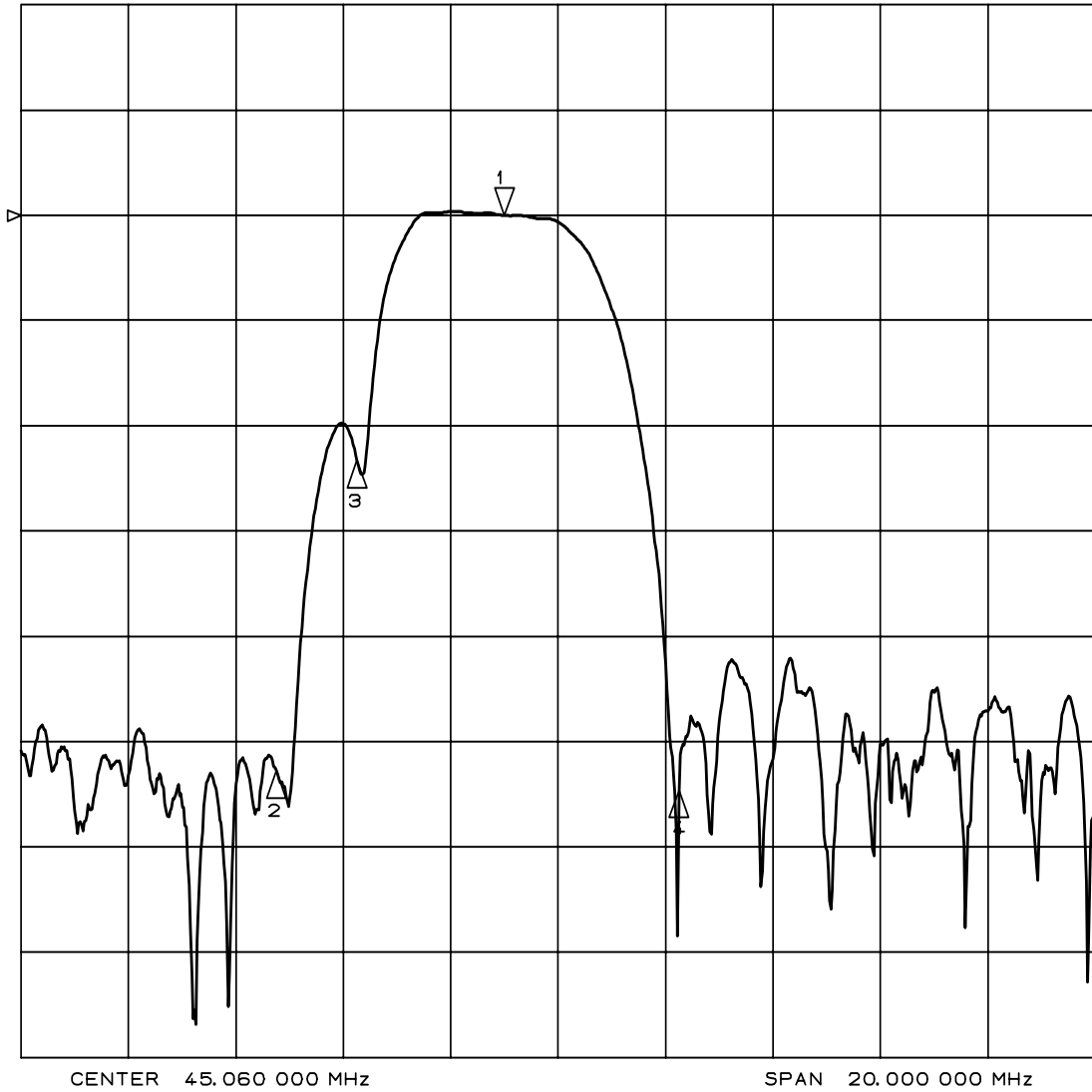
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(Sound Channel)

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	41.31 (41.25) MHz	16.8	18.8	20.8	dB	
Relative level	35.06 ~ 39.81 MHz (35.00 ~ 39.75 MHz)	–	–32	–25	dB	
	39.81 (39.75) MHz	–	–37	–25	dB	
	41.31 (41.25) MHz	–	0	–	dB	Reference
	42.23 (42.17) MHz	–	–20	–12	dB	
	45.81 (45.75) MHz	–	–40	–30	dB	
	47.31 (47.25) MHz	–	–35	–28	dB	
	47.31 ~ 55.06 MHz (47.25 ~ 55.00 MHz)	–	–32	–25	dB	
Output capacitance	1.0 MHz	–	2.0	–	pF	
Temperature coefficient		–	–72	–	ppm/°C	

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Amplitude Response (10dB/div) Video channel



- Marker 1 = 44.06 MHz
- Marker 2 = 39.81 MHz
- Marker 3 = 41.31 MHz
- Marker 4 = 47.31 MHz

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Amplitude Response (1dB/div) Video channel



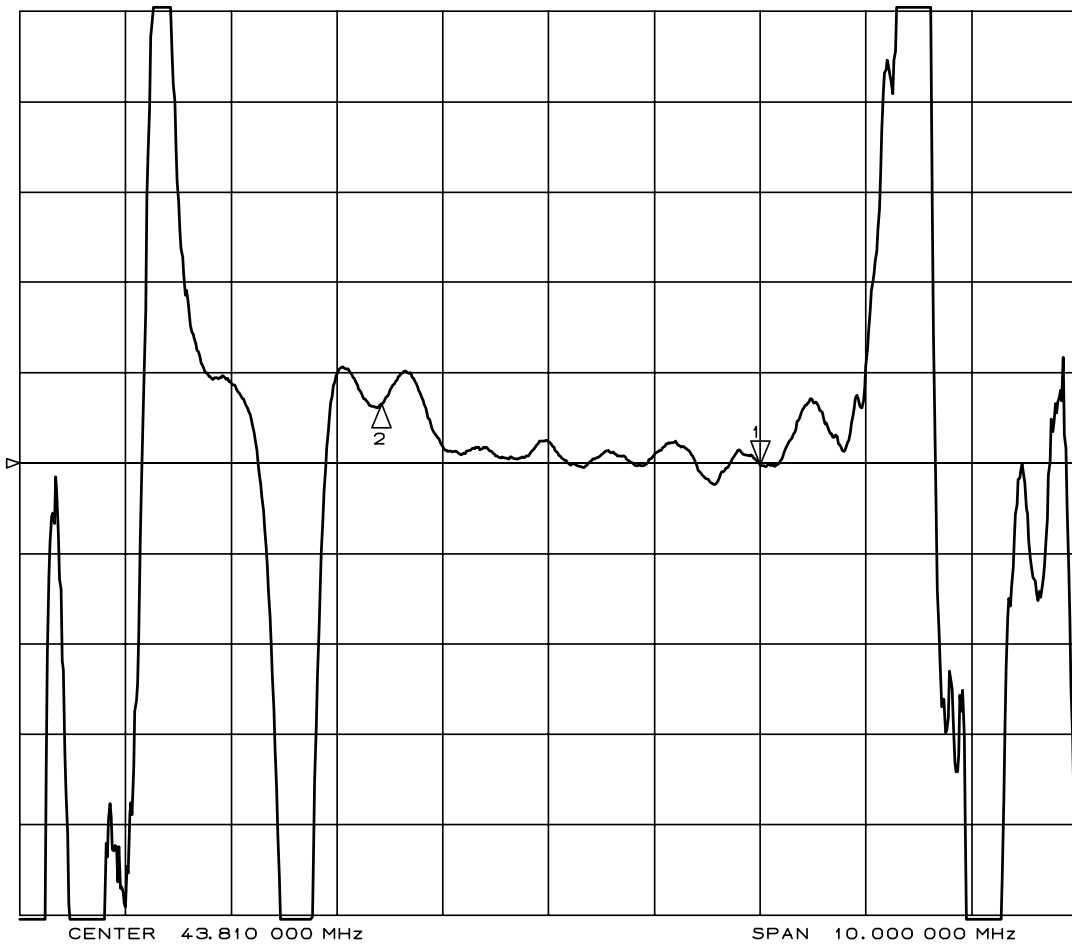
Marker 1 = 44.06 MHz

Marker 2 = 42.23 MHz

Marker 3 = 45.81 MHz

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

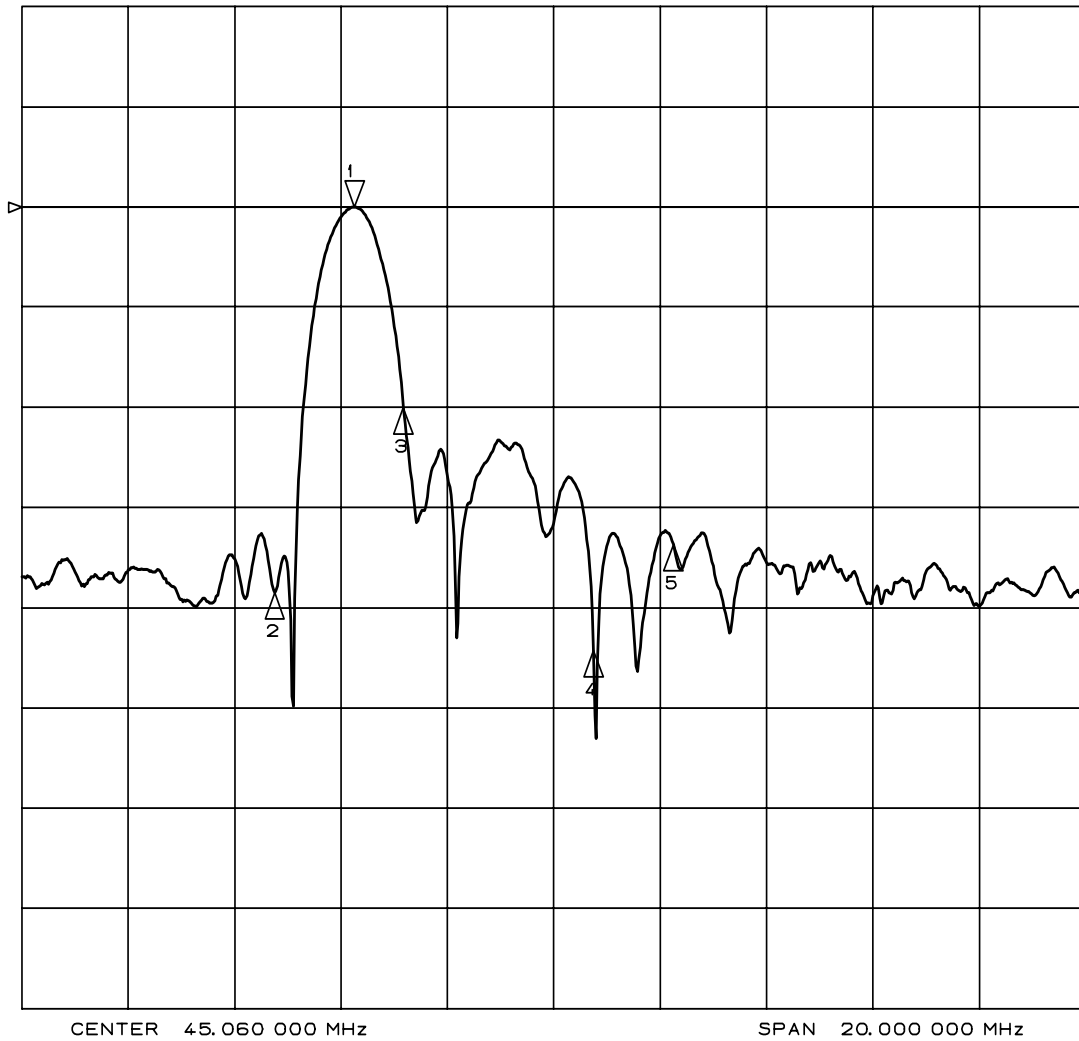


Marker 1 = 45.81 MHz

Marker 2 = 42.23 MHz

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Amplitude Response (10dB/div) Sound channel



- Marker 1 = 41.31MHz**
- Marker 2 = 39.81 MHz**
- Marker 3 = 42.23 MHz**
- Marker 4 = 45.81 MHz**
- Marker 5 = 47.31 MHz**