

Customer Name	<b>Standard specification</b>	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for TV tuner		
System	Asia		
Picture Carrier Frequency	38.00 MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-35M230-A013	Version	1.1

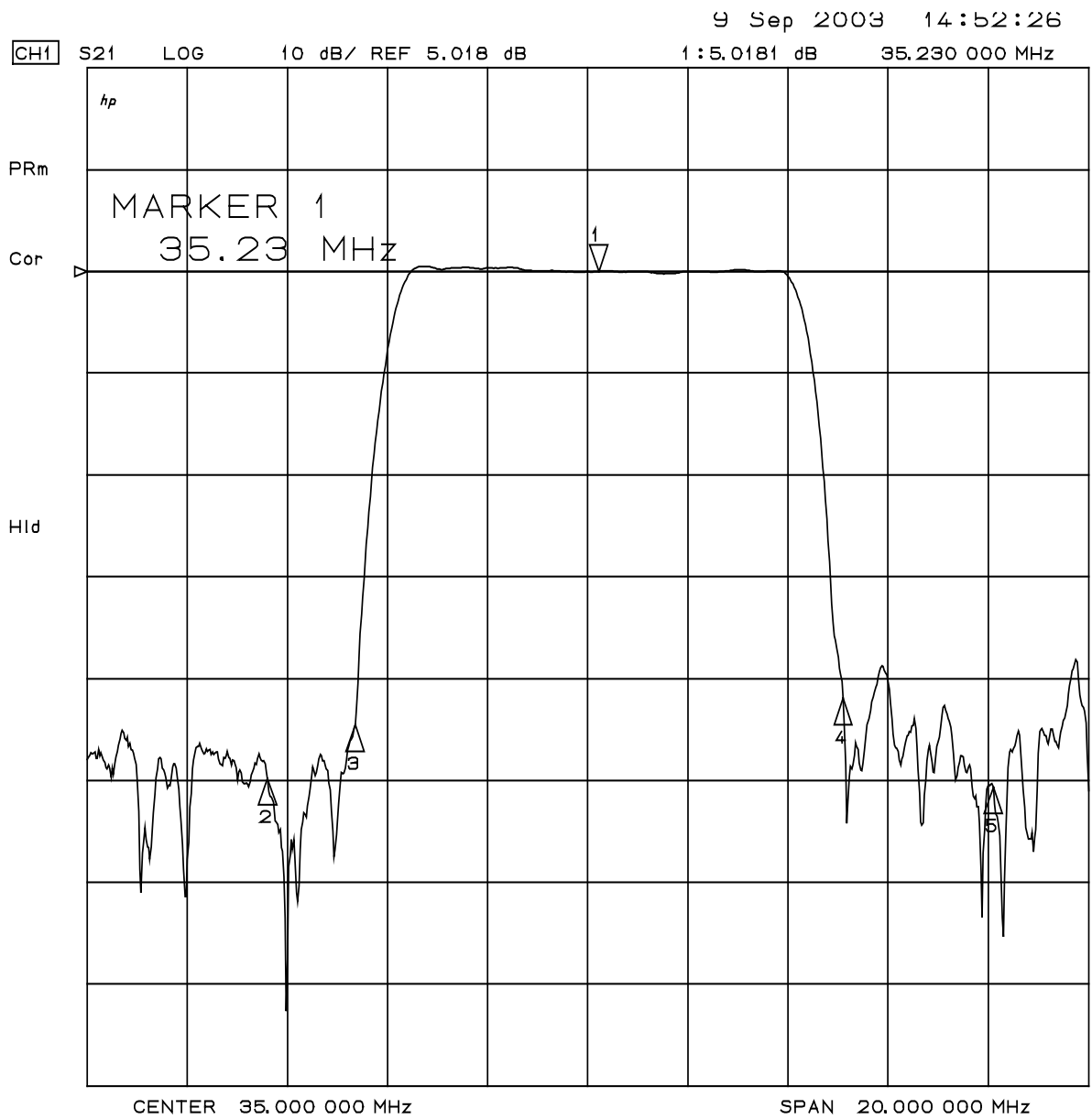
**Table 1 Electrical Specification (Ta=25°C)**

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Center Frequency		-	35.23	-	MHz	
Insertion Loss	35.23 MHz	19.4	20.9	22.4	dB	
Pass Bandwidth	1 dB	-	7.7	-	MHz	
	3 dB	-	8.0	-	MHz	
	30 dB	-	9.3	-	MHz	
Relative level	25.00 ~ 28.60 MHz	-	-43	-37	dB	
	28.60 ~ 30.35 MHz	-	-40	-33	dB	
	30.35 MHz	-	-41	-33	dB	
	31.23 MHz	-4.0	-2.8	-1.6	dB	
	31.43 MHz	-	-0.5	-	dB	
	35.23 MHz	-	0	-	dB	Reference
	39.03 MHz	-	-0.7	-	dB	
	39.23 MHz	-4.1	-2.9	-1.7	dB	
	40.10 ~ 43.10 MHz	-	-37	-32	dB	
	43.10 ~ 45.00 MHz	-	-41	-35	dB	
Amplitude ripple (p-p)	31.73 ~ 38.73 MHz	-	0.8	-	dB	
Group delay ripple (p-p)	31.23 ~ 39.23 MHz	-	38	-	ns	
Input Capacitance	C <sub>in</sub> (1.0 MHz)	-	15.8	-	pF	
Output Capacitance	C <sub>out</sub> (1.0 MHz)	-	3.5	-	pF	
Temperature coefficient		-	-72	-	ppm/°C	



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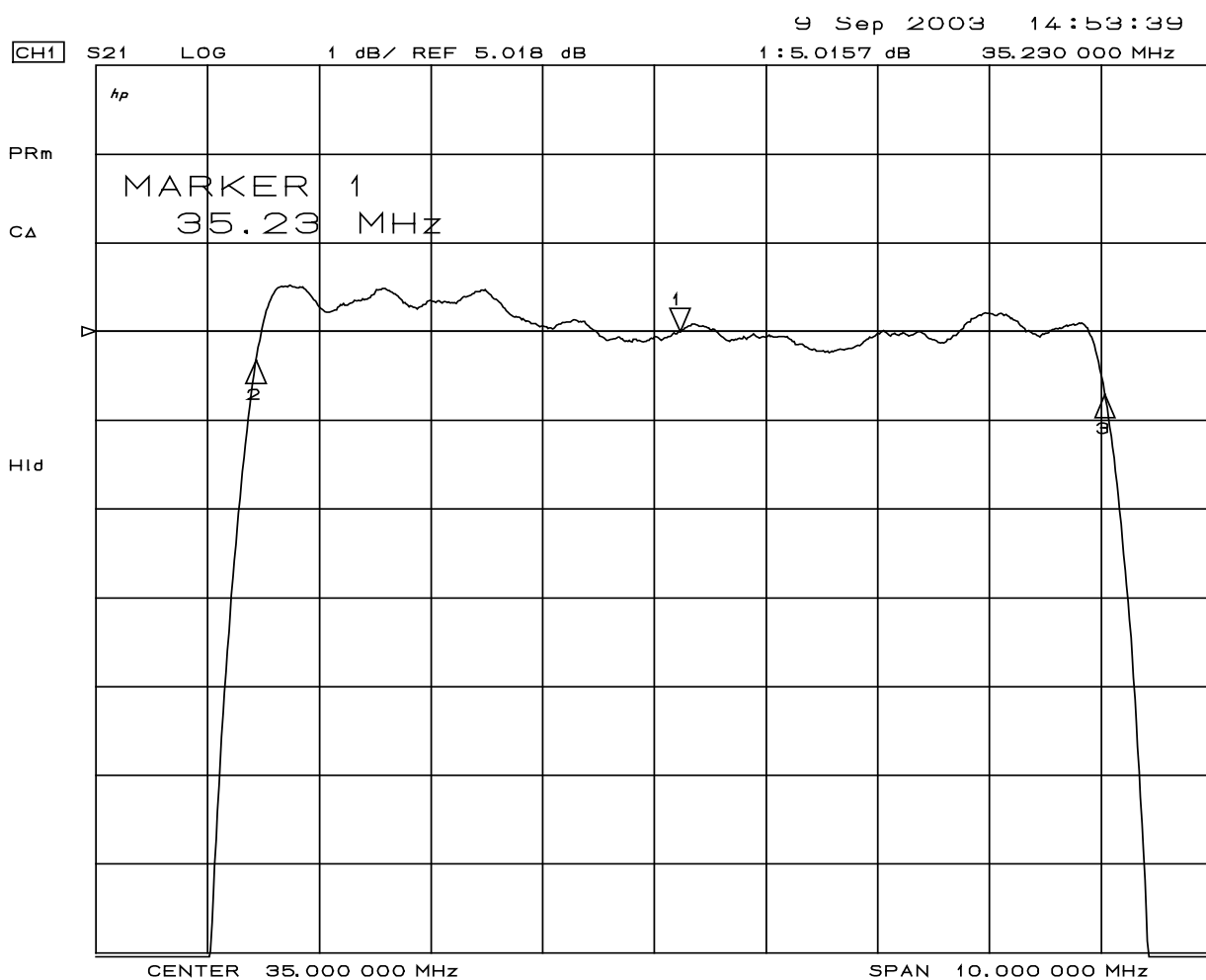
Amplitude Response (10dB/div)



- Marker 1 : 35.23MHz
- Marker 2 : 28.60MHz
- Marker 3 : 30.35MHz
- Marker 4 : 40.10MHz
- Marker 5 : 43.10MHz

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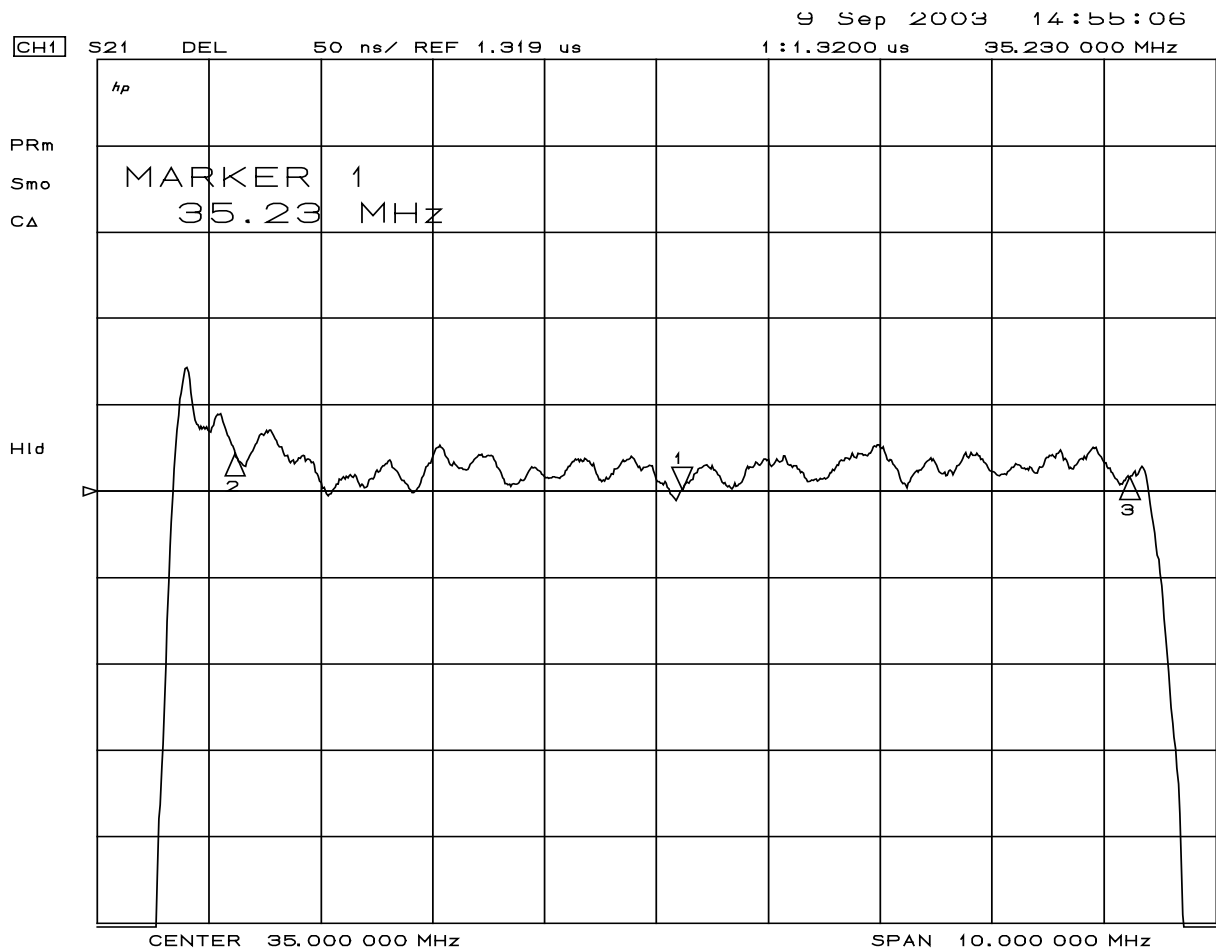
Amplitude Response (1dB/div)



Marker 1 : 35.23MHz  
 Marker 2 : 31.43MHz  
 Marker 3 : 39.03MHz

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Group Delay (50ns/div)  
Delay Aper.=200kHz



Marker 1 : 35.23MHz  
Marker 2 : 31.23MHz  
Marker 3 : 39.23MHz