

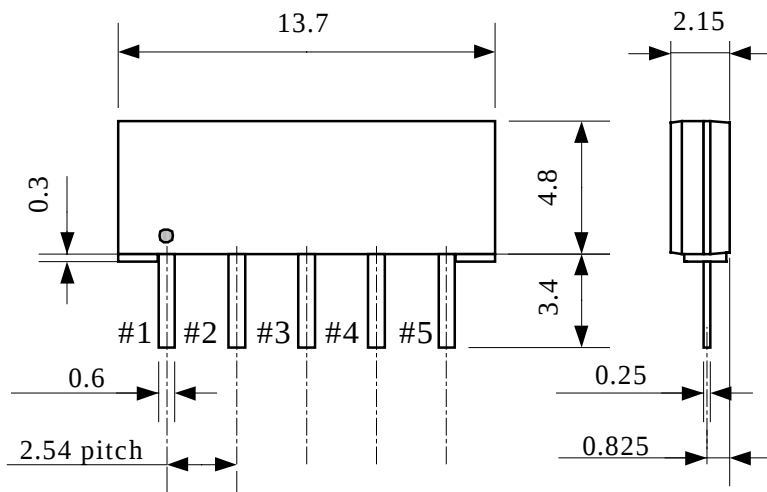
Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	Europe / Asia		
Picture Carrier Frequency	36.125MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-36M125-H0E7	Version	2.0

Table 1 Proposal Specification (Ta=25°C)

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	36.13 MHz	18.9	20.4	21.9	dB	
Pass bandwidth	1dB	—	7.4	—	MHz	
	3dB	—	7.9	—	MHz	
	30dB	—	9.7	—	MHz	
Relative level	25.00 ~ 31.00 MHz	—	−38	−31	dB	
	31.25 MHz	—	−29	—	dB	
	32.13 MHz	−4.6	−3.6	−2.6	dB	
	32.32 MHz	−2.8	−1.8	−0.8	dB	
	36.13 MHz	—	0	—	dB	Reference
	39.94 MHz	−2.6	−1.6	−0.6	dB	
	40.13 MHz	−4.5	−3.5	−2.5	dB	
	47.25 MHz	—	−51	−40	dB	
	41.20 ~ 44.00 MHz	—	−36	−30	dB	
	44.00 ~ 50.00 MHz	—	−39	−33	dB	
Group delay ripple (p-p)	32.13 ~ 40.13 MHz	—	33	—	ns	
Input Impedance	36.13 MHz	—	4.5//9.9	—	kΩ//pF	
Output Impedance	36.13 MHz	—	4.0//3.7	—	kΩ//pF	
Temperature coefficient		—	−72	—	ppm/°C	

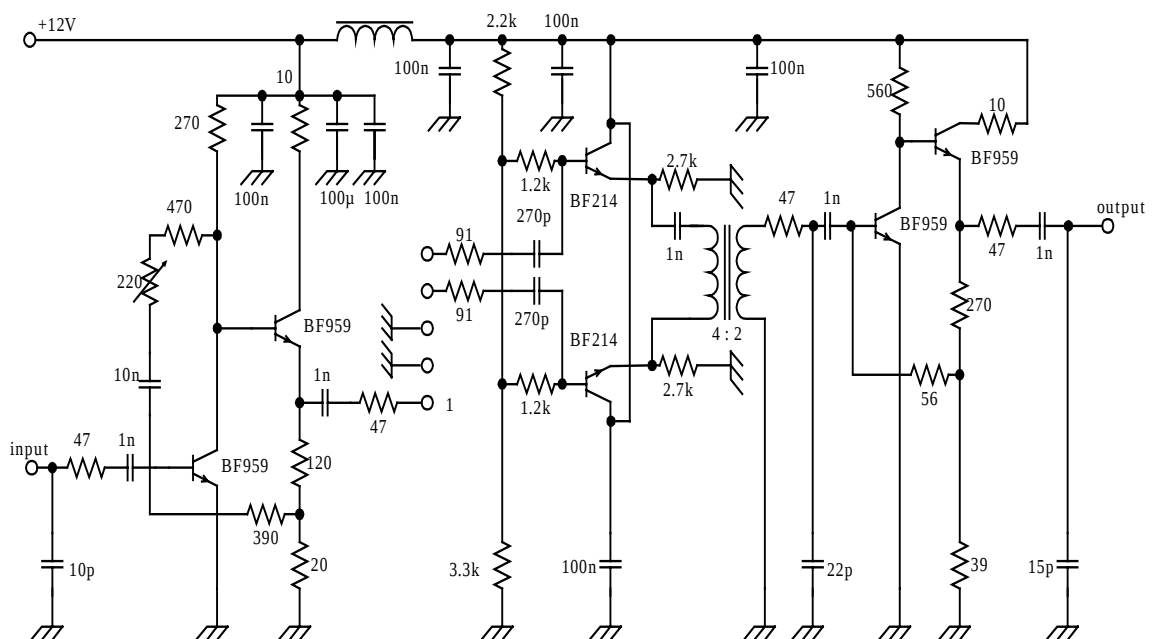
Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	Europe / Asia		
Picture Carrier Frequency	36.125MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-36M125-H0E7	Version	2.0

1. Pin assignment of plastics Package



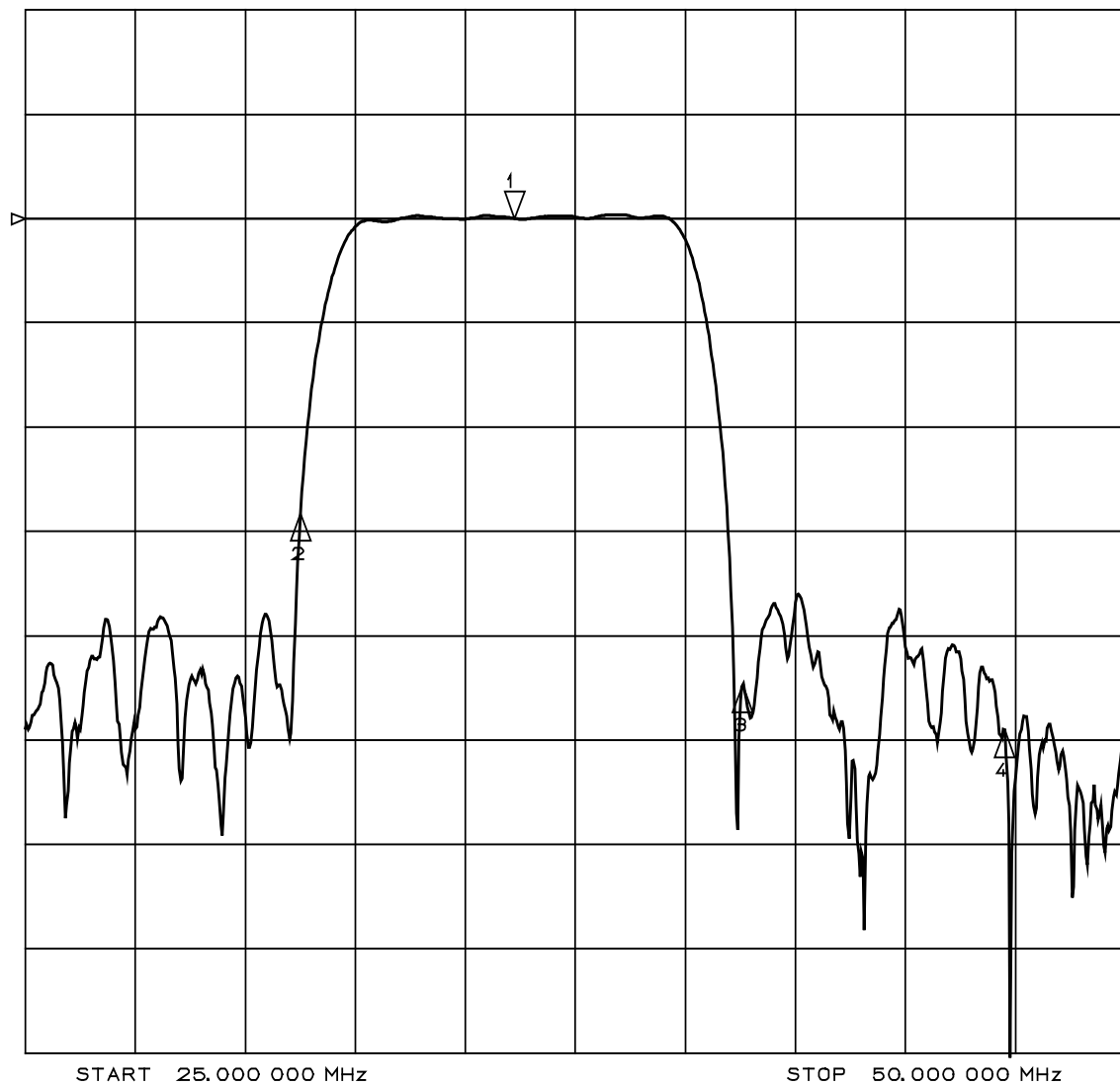
Pin No.	Pin name	Description
1	IN	input pin
2	IN	input pin (Ground)
3	GND	Ground pin
4	OUT	output pin
5	OUT	output pin

2. Measurement circuit



Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	Europe / Asia		
Picture Carrier Frequency	36.125MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-36M125-H0E7	Version	2.0

Amplitude Response (10dB/div)



Marker 1 = 36.13 MHz

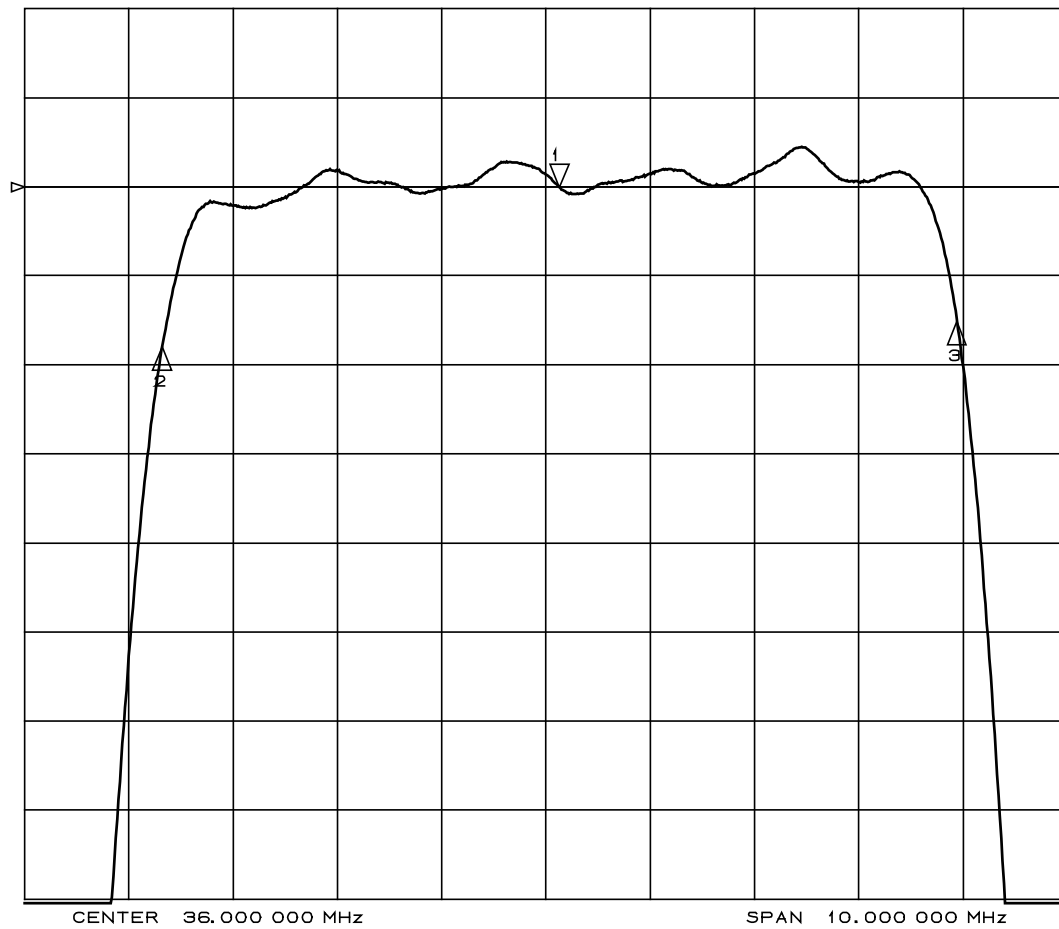
Marker 2 = 31.25 MHz

Marker 3 = 41.30 MHz

Marker 4 = 47.25 MHz

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	Europe / Asia		
Picture Carrier Frequency	36.125MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-36M125-H0E7	Version	2.0

Amplitude Response (1dB/div)



Marker 1 = 36.13 MHz

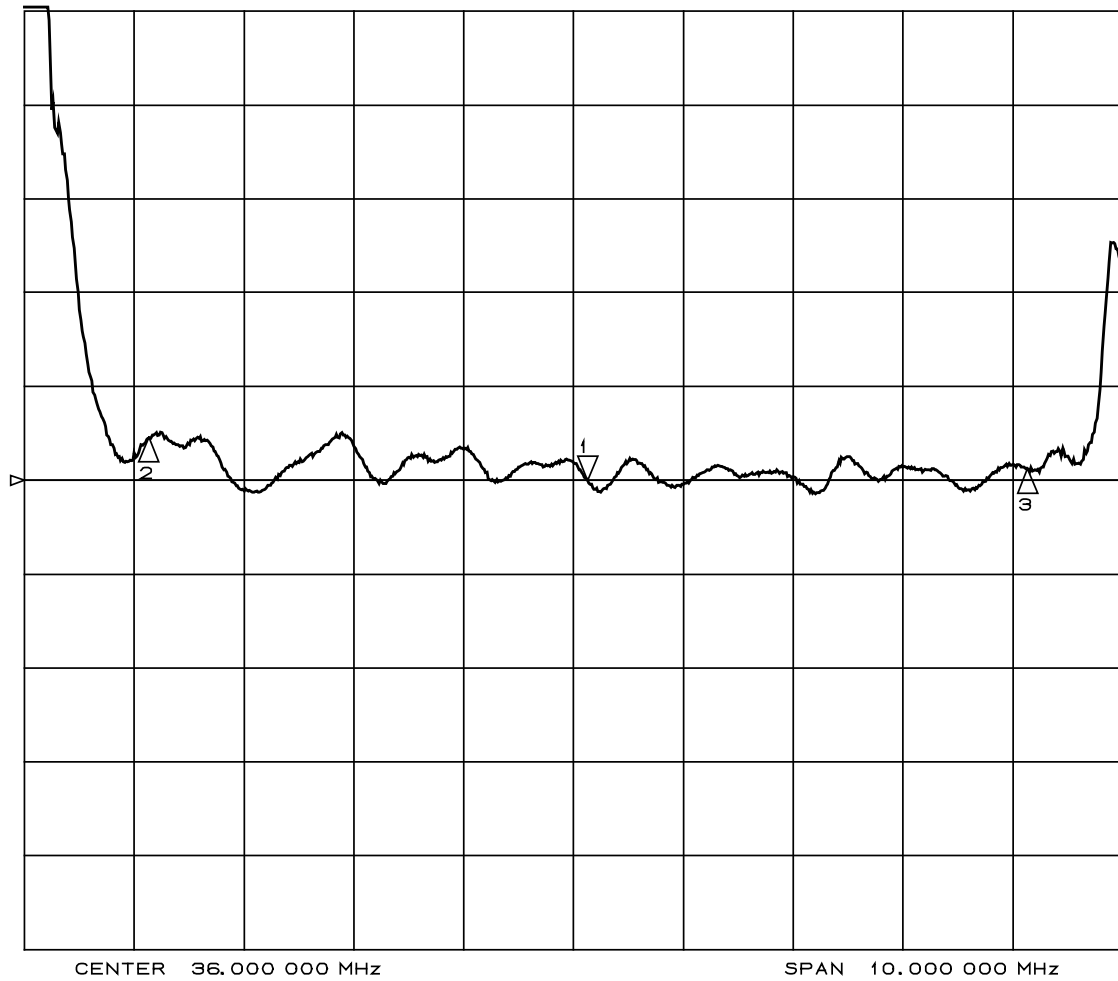
Marker 2 = 32.32 MHz

Marker 3 = 39.94 MHz

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	Europe / Asia		
Picture Carrier Frequency	36.125MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-36M125-H0E7	Version	2.0

Group Delay (50ns/div)

Delay Aper.=200kHz



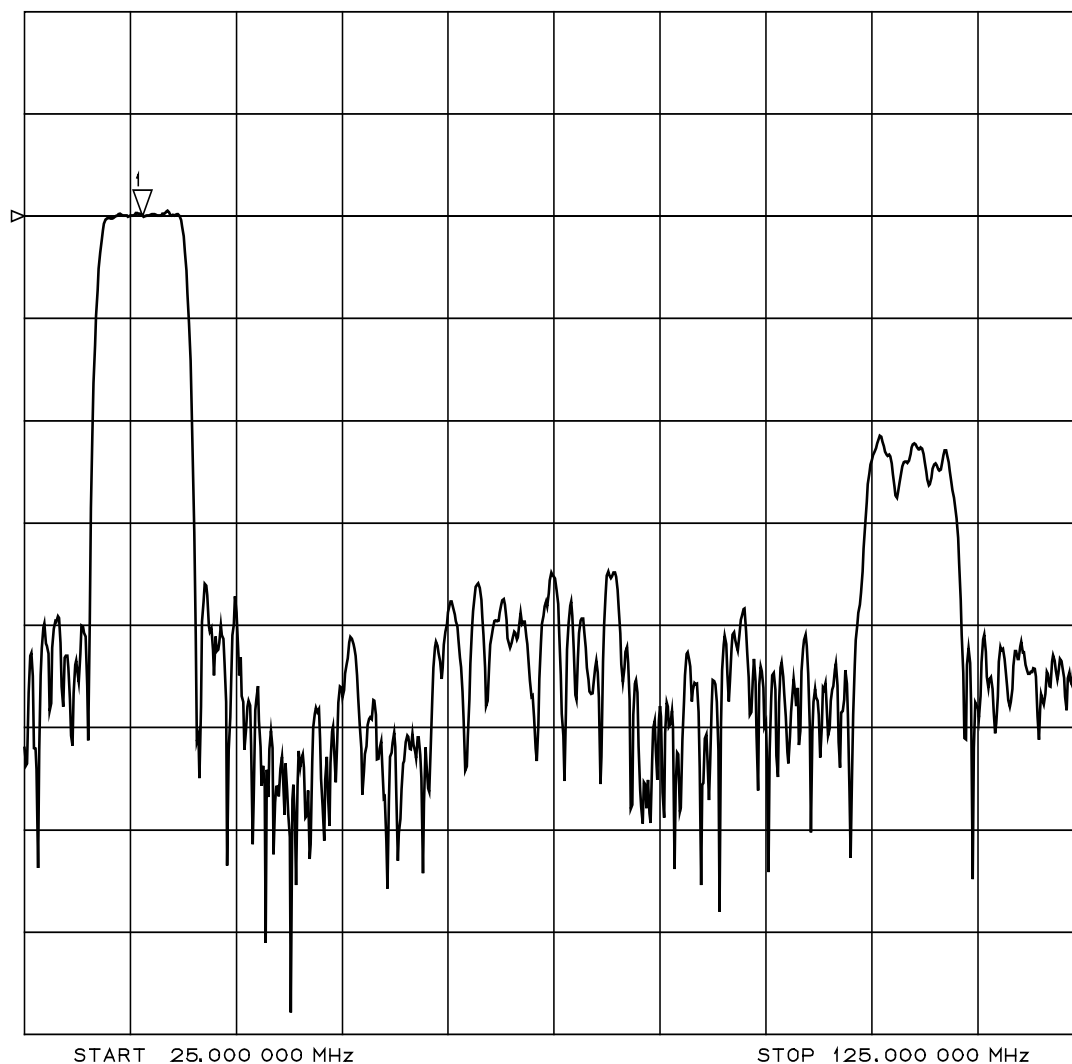
Marker 1 = 36.13 MHz

Marker 2 = 32.13 MHz

Marker 3 = 40.13 MHz

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	Europe / Asia		
Picture Carrier Frequency	36.125MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-36M125-H0E7	Version	2.0

Amplitude Response (10dB/div)
(25.0MHz ----- 125.0MHz)



START 25.000 000 MHz

STOP 125.000 000 MHz

Marker 1 = 36.13 MHz

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	Europe / Asia		
Picture Carrier Frequency	36.125MHz	DATE	June 21, 2005
FMD Part Number	FAR-F4SE-36M125-H0E7	Version	2.0

Time domain Response (10dB/div)

