

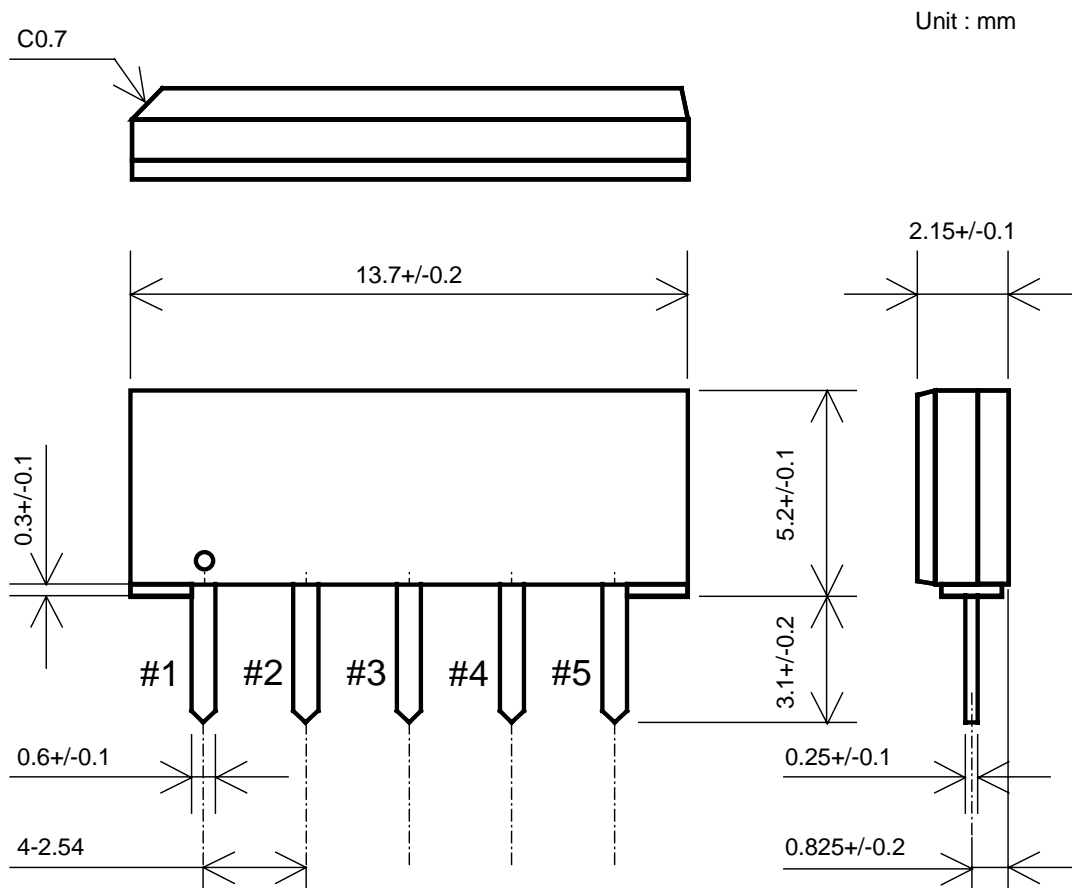
Customer Name	<b>Standard specification</b>	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV		
System	Europe / Asia		
Center Frequency	36.000 MHz	DATE	Jun. 27 2003
FMD Part Number	FAR-F4SE-36M000-A002	Version 1.1	

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

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Center Frequency		–	36.000	–	MHz	
Insertion Loss	36.000 MHz	18.7	20.2	21.7	dB	
Pass Bandwidth	1 dB	–	7.8	–	MHz	
	3 dB	–	8.2	–	MHz	
	30 dB	–	9.5	–	MHz	
Relative level	25.00 ~ 29.50 MHz	–	-41	-35	dB	
	29.50 ~ 31.00 MHz	–	-40	-30	dB	
	32.08 MHz	-1.6	-1.0	–	dB	
	36.00 MHz	–	0	–	dB	Reference
	39.92 MHz	-1.6	-1.0	-	dB	
	41.00 ~ 42.25 MHz	–	-35	-30	dB	
	42.25 ~ 50.00 MHz	-	-40	-35	dB	
Amplitude ripple (p-p)	32.35 ~ 39.65 MHz	-	0.7	1.1	dB	
Group delay ripple (p-p)	32.08 ~ 39.92 MHz	–	37	–	ns	
Input Capacitance	Cin (1.0 MHz)	–	15.8	–	pF	
Output Capacitance	Cout (1.0 MHz)	–	3.5	–	pF	
Temperature coefficient		–	-72	–	ppm/°C	

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● **Dimensions**



**Fig.1**

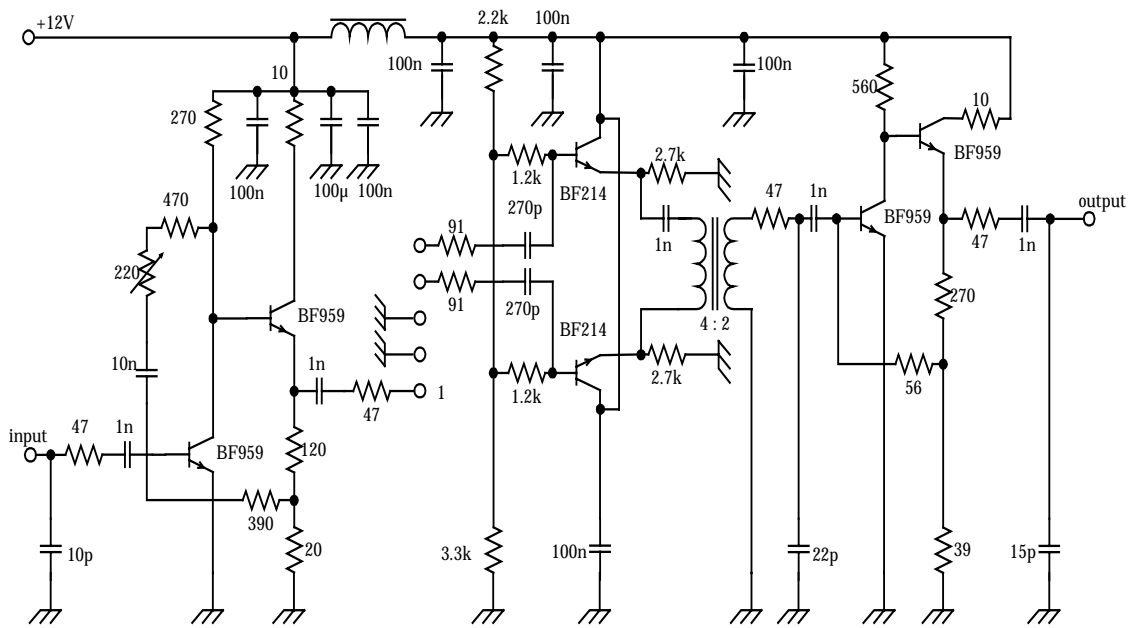
● **Pin Configuration**

**Table 2**

Pin No.	Symbol	Function
#1	IN	Input
#2	IN(GND)	Input(Ground)
#3	GND	Ground
#4	OUT	Output
#5	OUT	Output

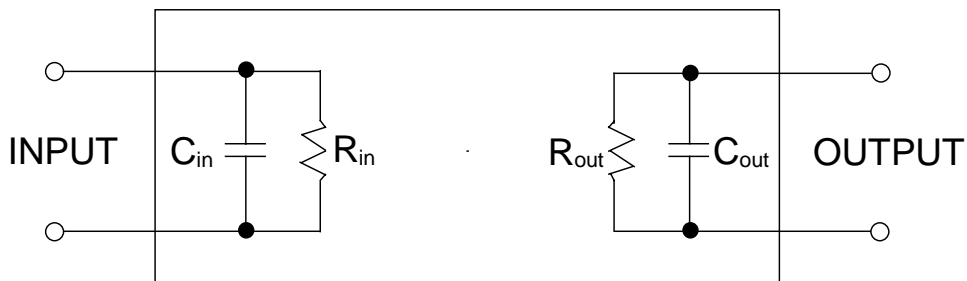
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● **Evaluation Circuit**



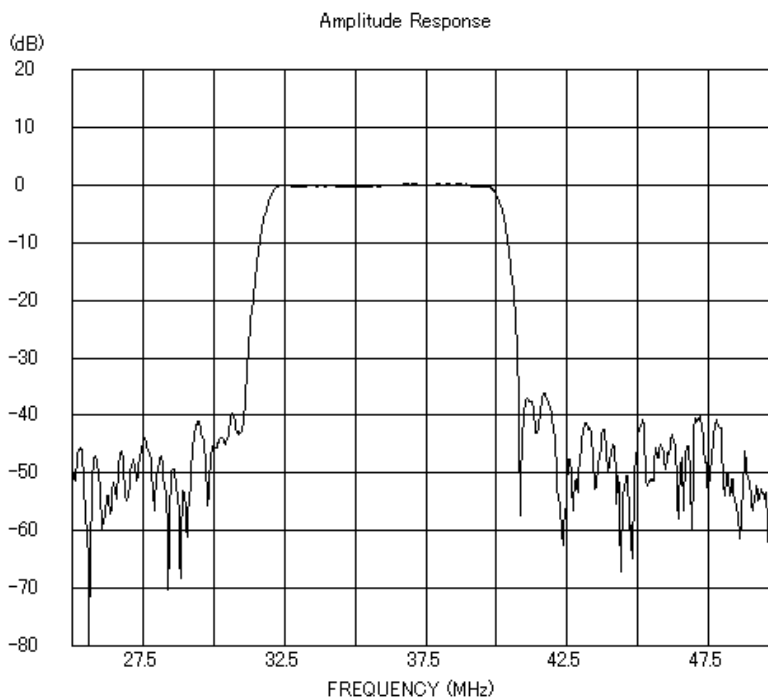
**Fig.2 Evaluation circuit**

● **Equivalent Circuit**

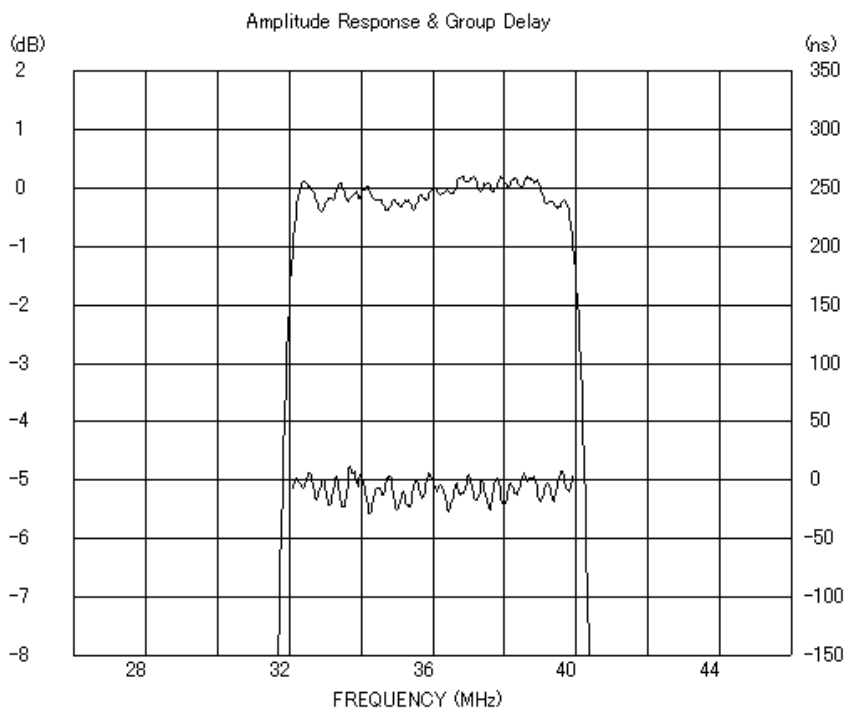


**Fig.3 Equivalent circuit**

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### Frequency Characteristics



### In-band Characteristics