

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for DAB		
Center Frequency	44.00 MHz	DATE	Jun. 27 2003
FMD Part Number	SBF0402JPL	Version 1.3	

Table 1 Electrical Specification (Ta=25°C)

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Center frequency		—	44.00	—	MHz	
Insertion Loss	44.00 MHz	17.9	19.4	20.4	dB	
Pass bandwidth	3 dB	—	1.7	—	MHz	
	6 dB	—	2.0	—	MHz	
	30 dB	—	2.8	—	MHz	
Relative level	42.50 MHz	—	-40	-30	dB	
	44.00 MHz	—	0	—	dB	Reference
	46.50 MHz	—	-42	-37	dB	
	35.00 ~ 41.30 MHz	—	-48	-40	dB	
	41.30 ~ 42.30 MHz	—	-45	-39	dB	
	45.80 ~ 47.20 MHz	—	-40	-34	dB	
	47.20 ~ 55.00 MHz	—	-45	-40	dB	
Group delay ripple (p-p)	43.00 ~ 45.00 MHz	—	70	—	ns	
Input Capacitance	Cin (1.0 MHz)	—	34.1	—	pF	
Output Capacitance	Cout (1.0 MHz)	—	15.2	—	pF	
Temperature coefficient		—	-18	—	ppm/°C	

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● Dimensions

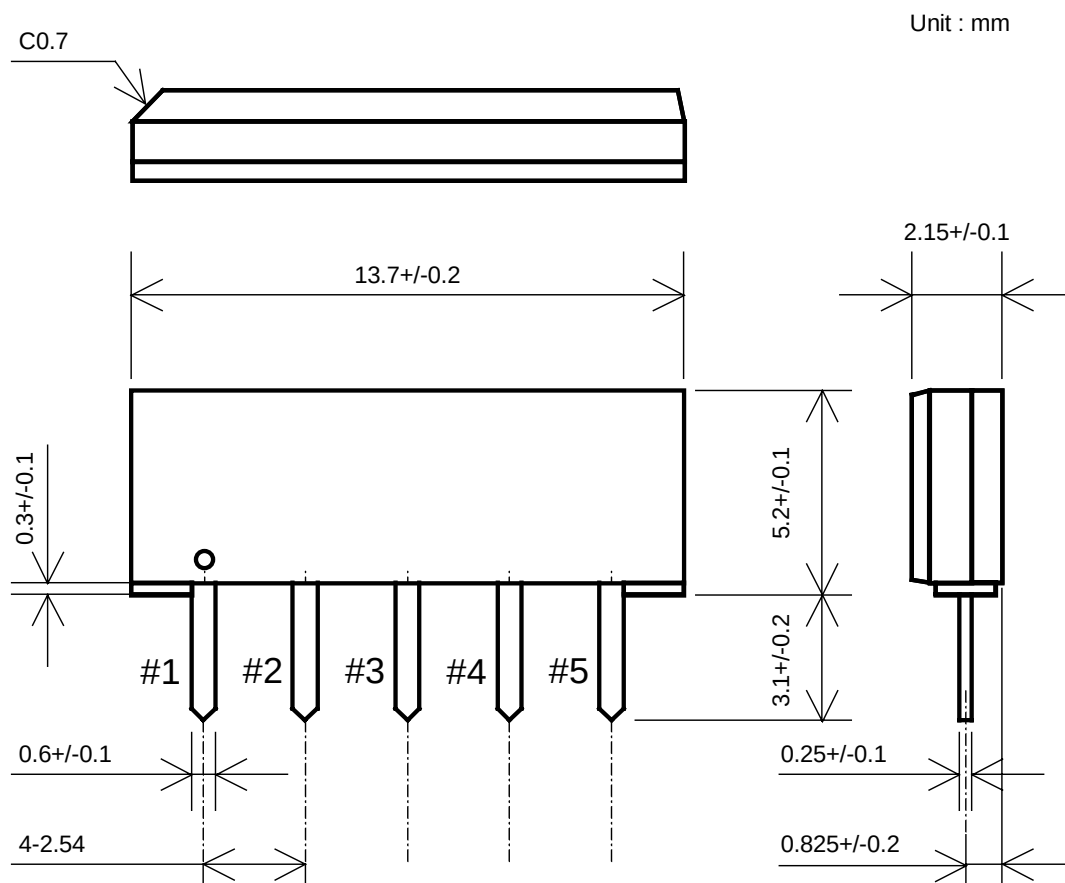


Fig.1

● 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

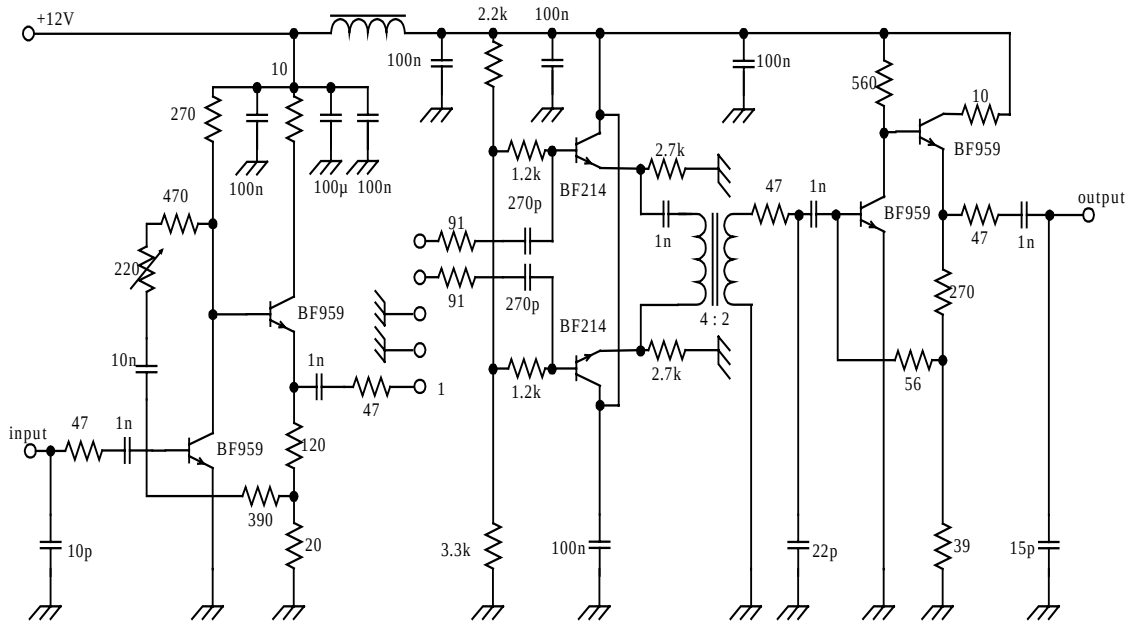


Fig.2 Evaluation circuit

- **Equivalent Circuit**

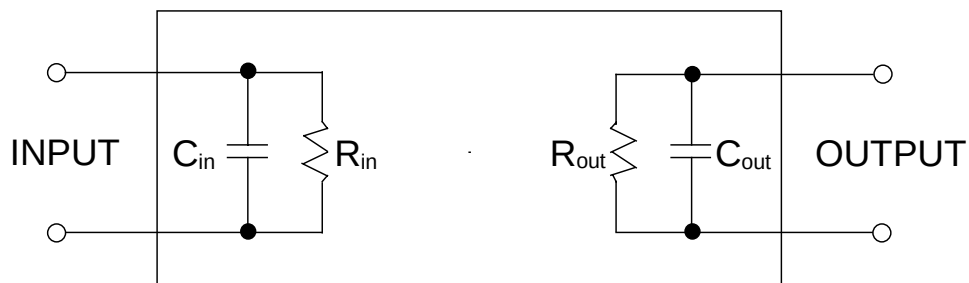
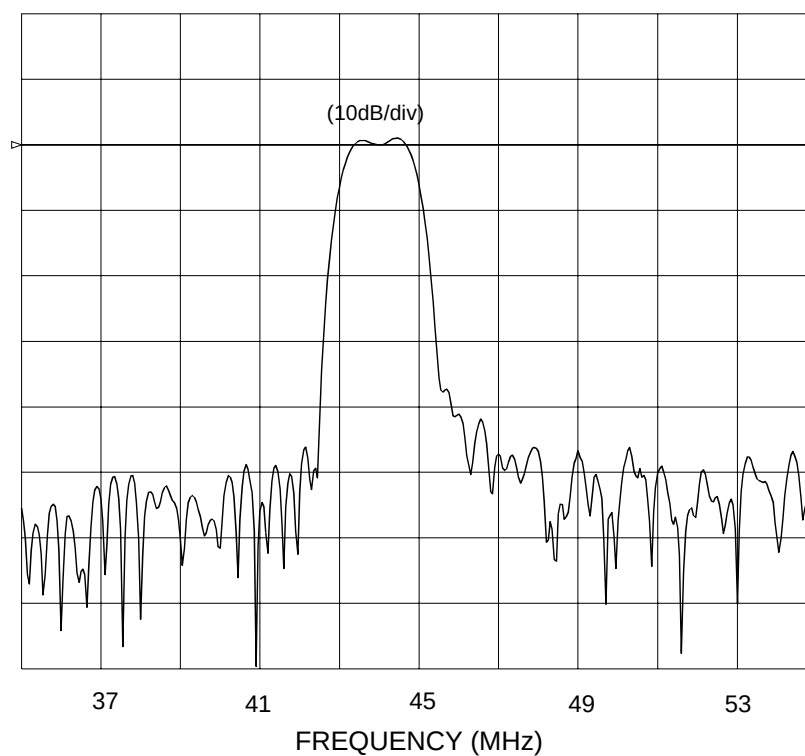
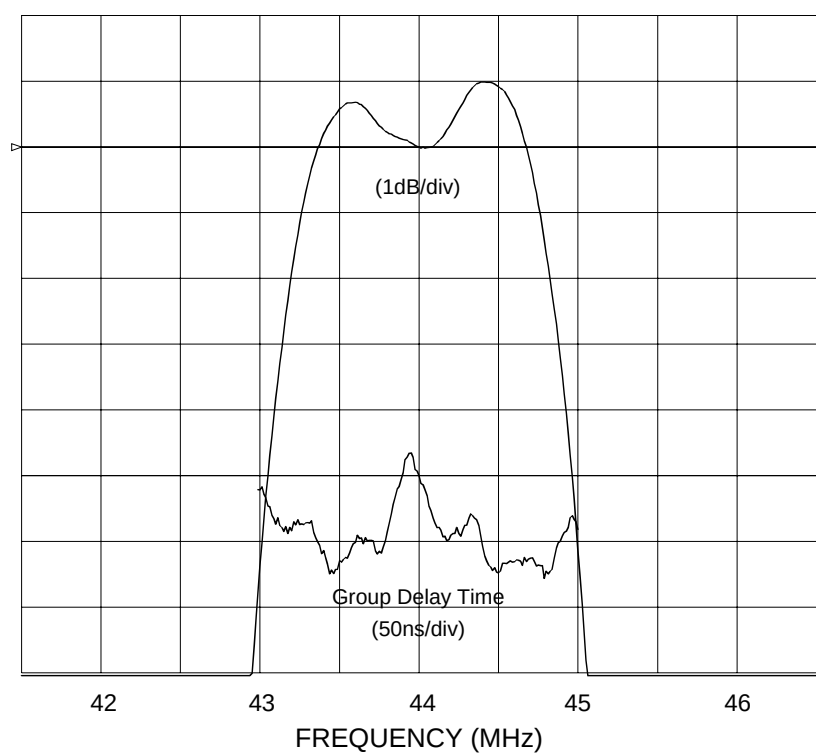


Fig.3 Equivalent circuit

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**Frequency Characteristics****In-band Characteristics**