

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	CATV updown converter 1 st IF filter	FMD Part Number	FAR-F6CV-1G0860-C27B
		DATE	Apr. 16.2003
Center Frequency	1086 MHz	Version. 2.0	

Table 1. Electrical specifications

Passband : 1081 ~ 1091 MHz						
Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1081~1091 MHz	-	1.9	2.3	dB	
Ripple	1081~1091 MHz	-	0.3	0.7	dB	
	any 6MHz	-	-	0.5	dB	
Relative attenuation*	500~988 MHz	43	50	-	dB	
	996MHz	51	65	-	dB	
	988~1002MHz	53	58	-	dB	
	1038~1046 MHz	48	64	-	dB	
	1156~1600 MHz	43	53	-	dB	
	2040~2148 MHz	50	61	-	dB	
1.0dB Bandedges						
Lower Bandedge		-	-	1081	MHz	
Upper Bandedge		1091	-	-	MHz	
Group Delay Ripple 1081~1091 MHz		-	10	-	ns	Aperture 500KHz
Amplitude Balance		-	1.0	-	dB	
Phase Balance		-	10	15	deg.	
Operating Temperature		0 ~ +85			°C	
Device Size		2.5typ x 2.0typ x 0.85typ			mm	
Input/Output Impedance (Balance ended)		200			ohm	

(*)Attenuation measurements will be referenced to the insertion loss at center frequency.

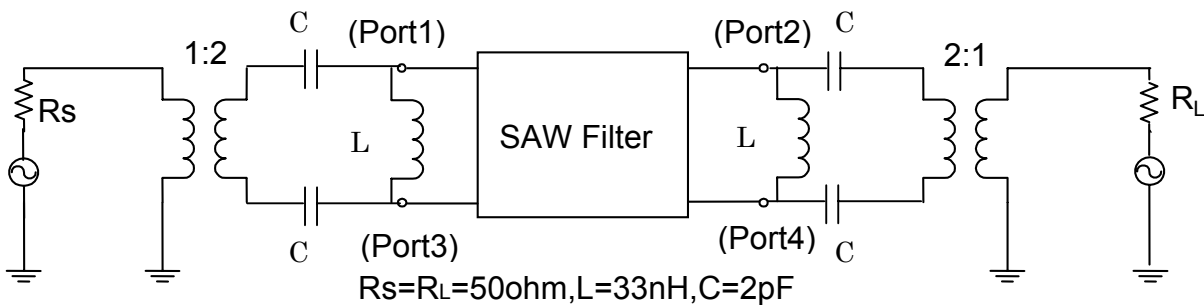
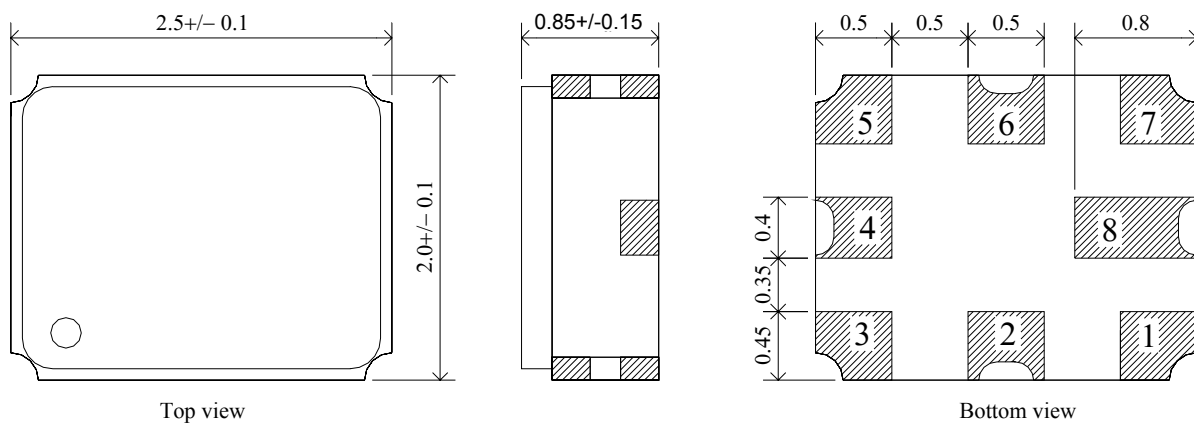


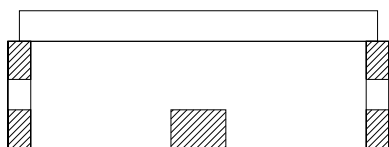
Figure 1. EQUIVALENT TEST CIRCUIT

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Pin assignment of 2520 dual filter



Unit:mm



Pin No.	Pin name	Description
1	IN1	Balanced INput1
2	IN2	Balanced INput2
3	GND	Ground pin
4	GND	Ground pin
5	OUT2	Balanced Output2
6	OUT1	Balanced Output1
7	GND	Ground pin
8	GND	Ground pin

Figure 2. Package

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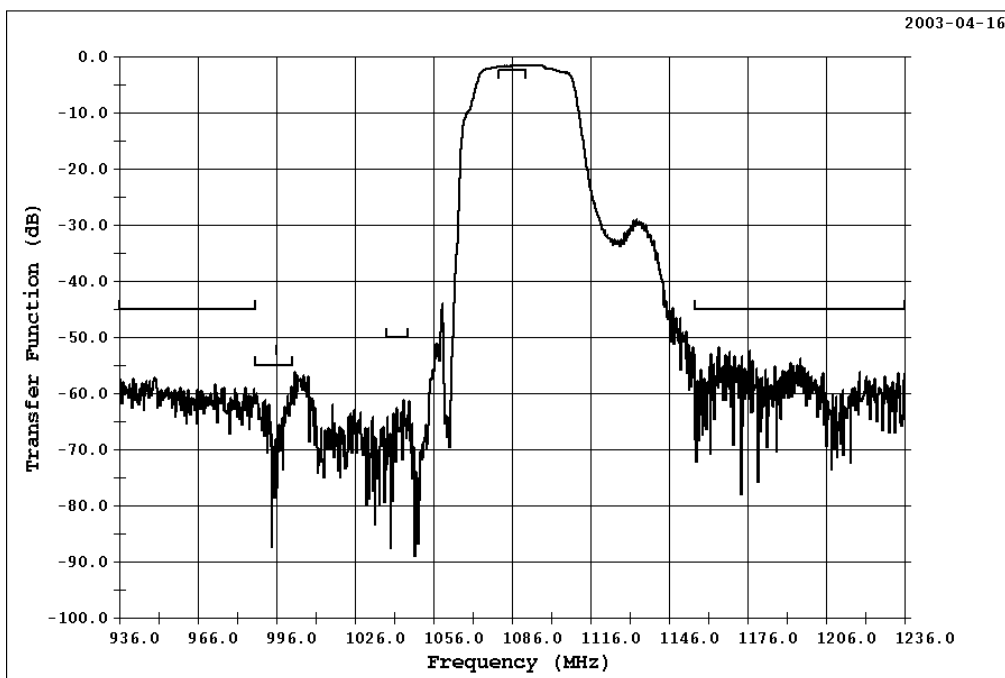


Figure 3-1. Pass-band characteristics 1

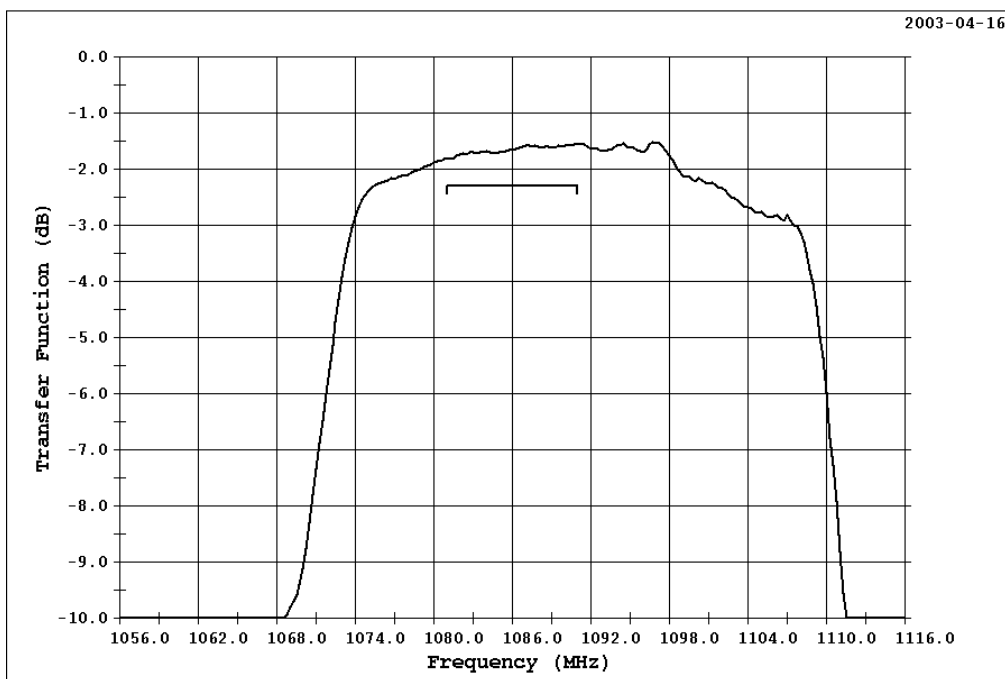


Figure 3-2. Pass-band characteristics 2

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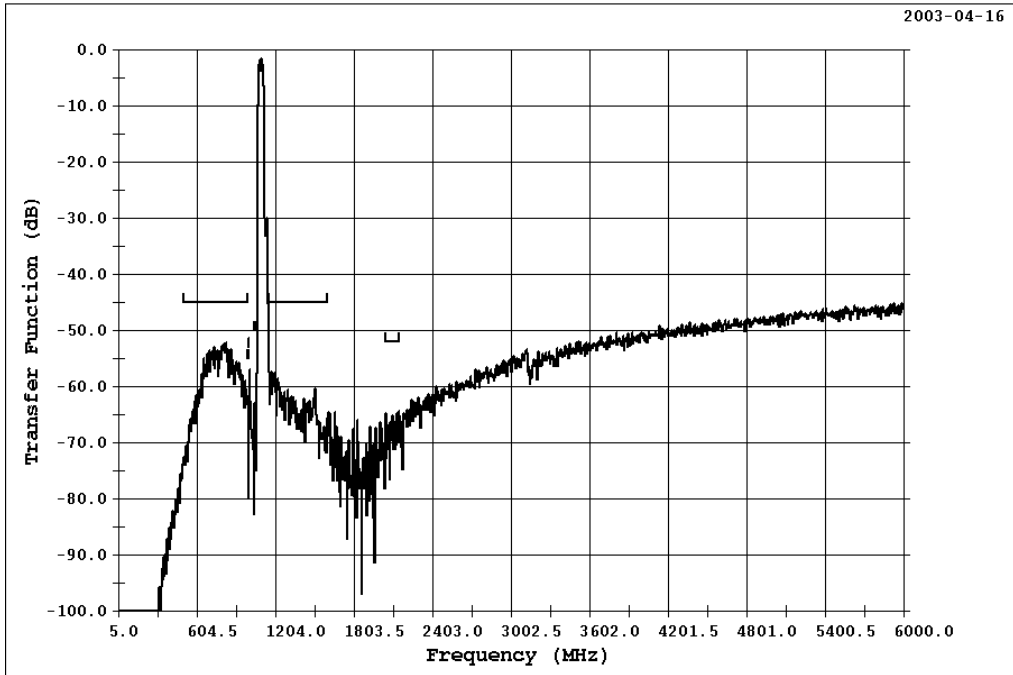


Figure 3-3. Wideband characteristics

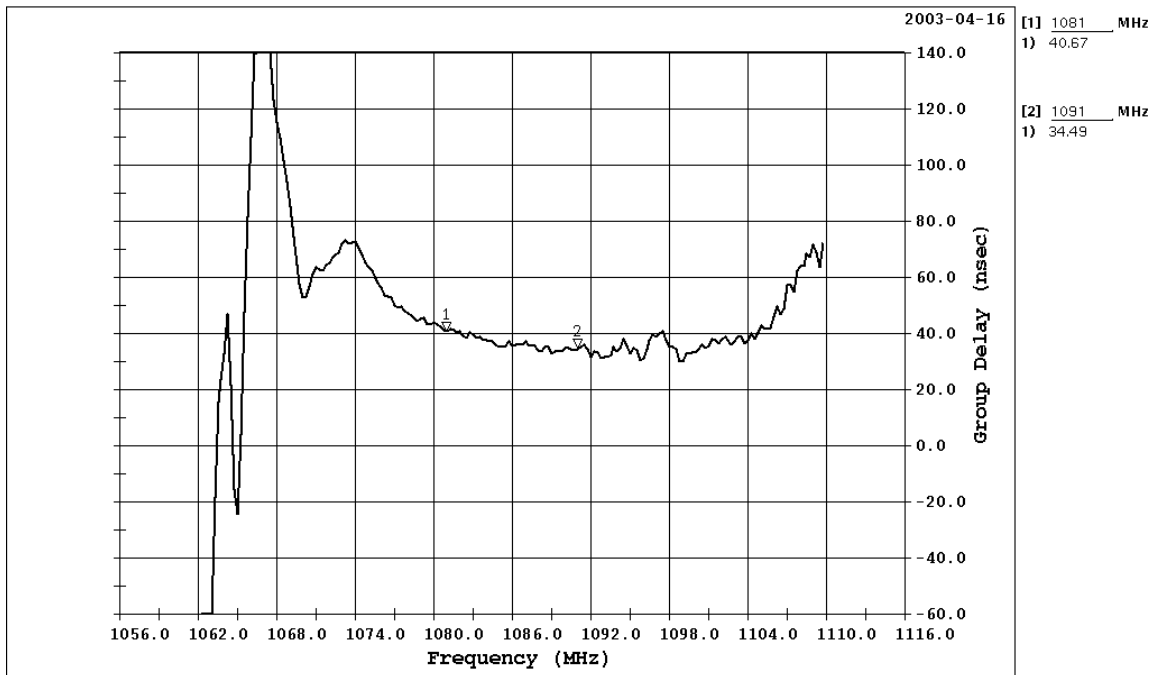


Figure 3-4. Group Delay