

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
System	GPS (50/100 ohm)	DATE	Mar. 31. 2006
FMD P/N	FAR-F6EB-1G5754-B2BS	Version 2.1 b	

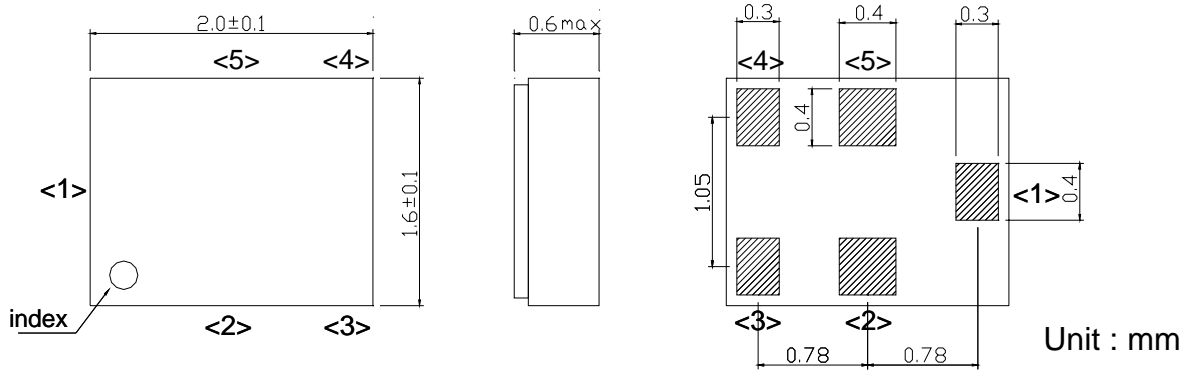
Table 1 Electrical Specification**Passband:1574.42 ~ 1576.42 MHz**

Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1574.42 ~ 1576.42	-	1.4	1.8	dB	
Ripple	1574.42 ~ 1576.42	-	0.1	0.5	dB	
VSWR	1574.42 ~ 1576.42	-	1.8	2.3		
Absolute attenuation	1475.42	32	57	-	dB	
	1525.42	20	25	-	dB	
	1625.42	15	20	-	dB	
	1675.42	20	26	-	dB	
Amplitude Balance	1574.42 ~ 1576.42	-1.0	0.2	+1.0	dB	
Phase Balance	1574.42 ~ 1576.42	-10	-5.5	+10	deg	
Input Impedance	Single ended	50			Ohm	
Output Impedance	Balance	100			Ohm	
Operating Temperature		-30 ~ +85			°C	
Storage Temperature		-40 ~ +100			°C	
Device size		2.0typ.x1.6typ.x0.6max.			mm	

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Dimensions

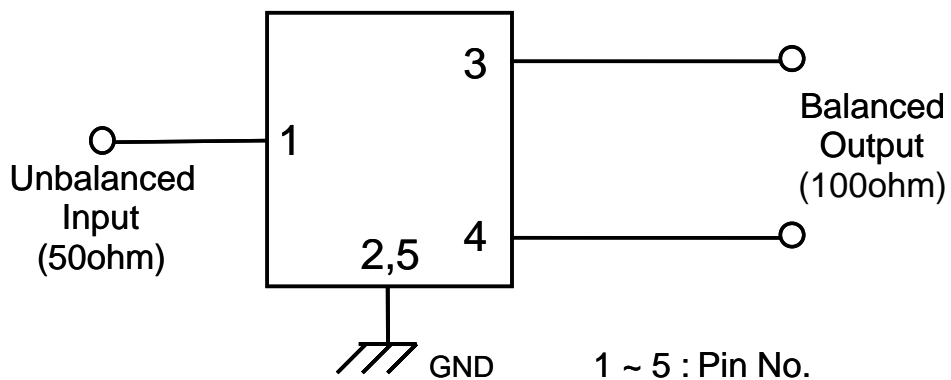
Device size: 2.0typ. x 1.6typ. x 0.6max



Pin Configuration

Pin No.	Symbol	Function
1	IN	Unbalanced pin
2	GND	Ground
3	OUT	Balanced pin
4	OUT	Balanced pin
5	GND	Ground

Evaluation Circuit



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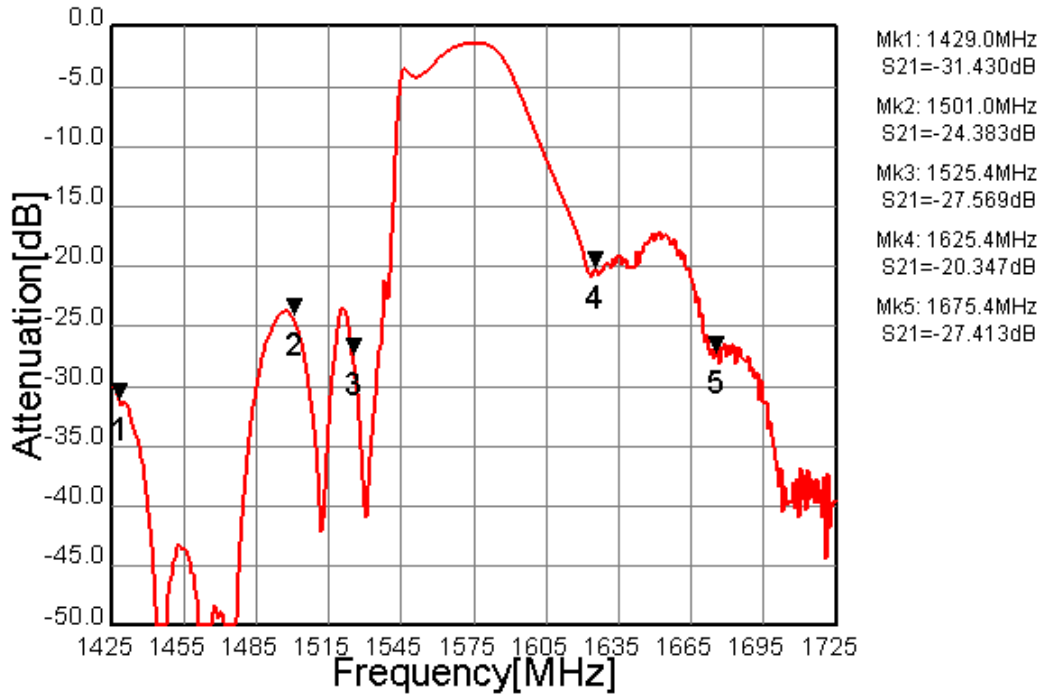


Fig.1 Pass-band Characteristics

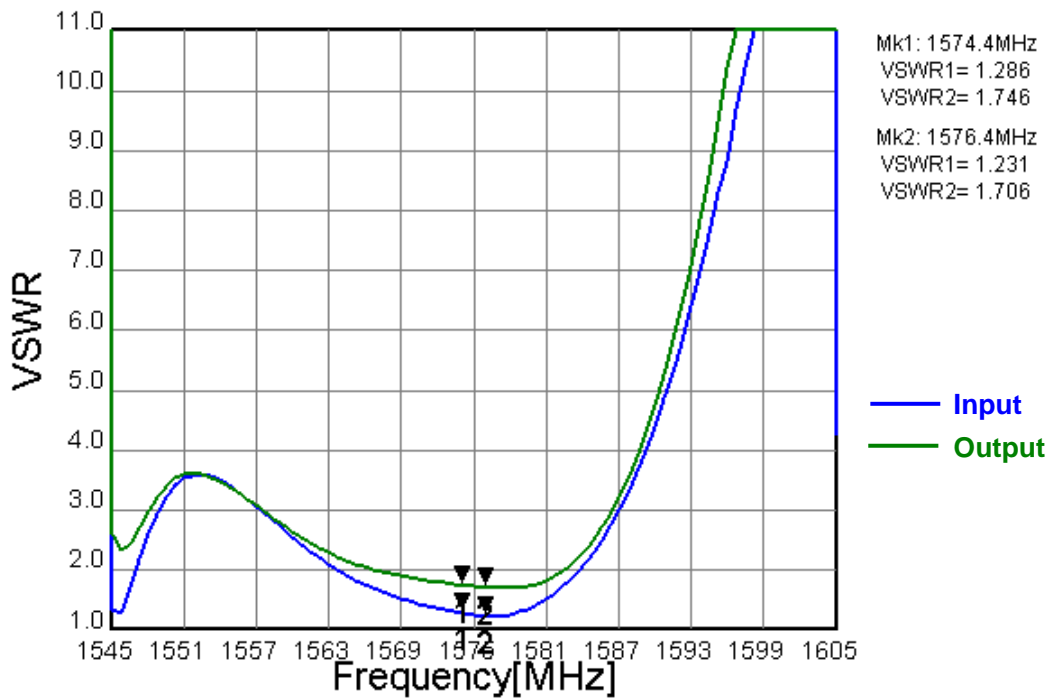


Fig.2 VSWR

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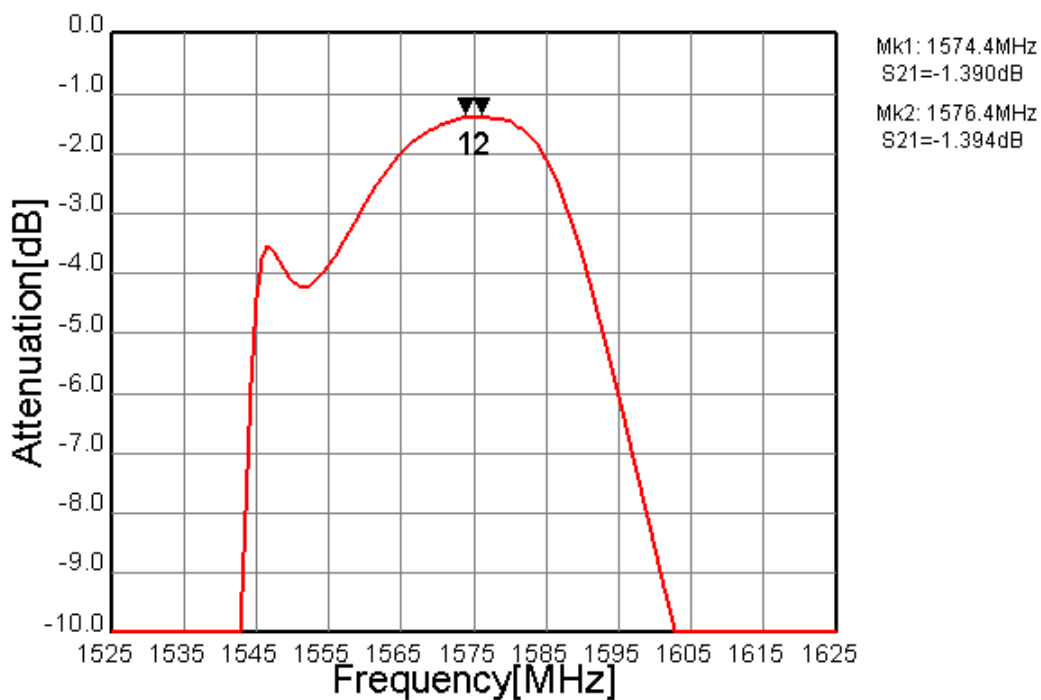


Fig.3 In-band Characteristics

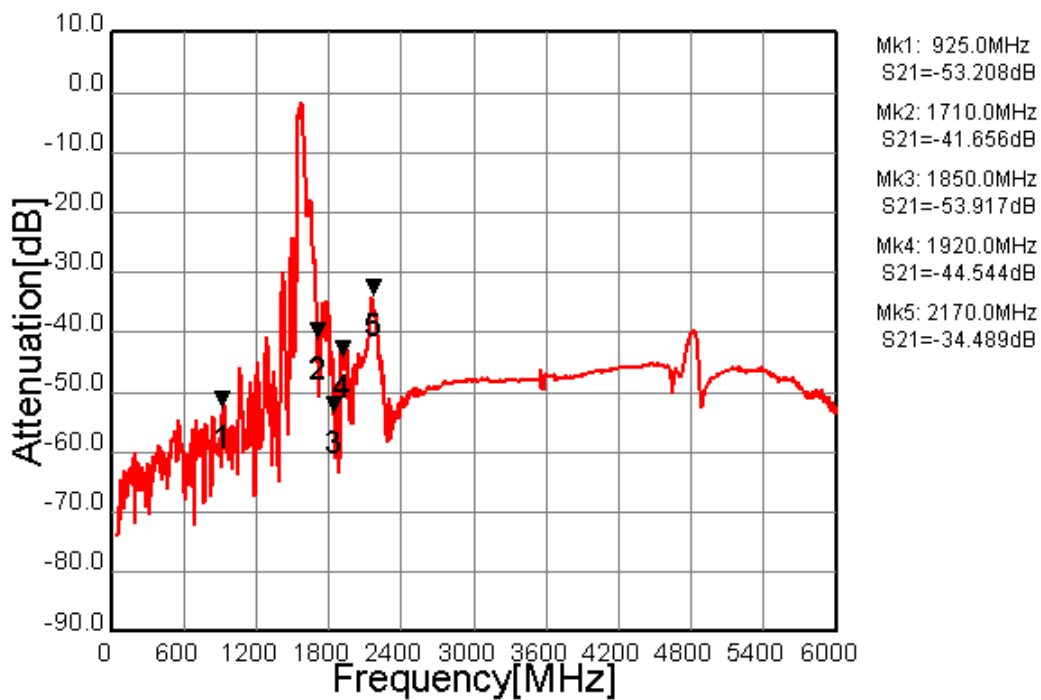


Fig.4 Wide-band Characteristics

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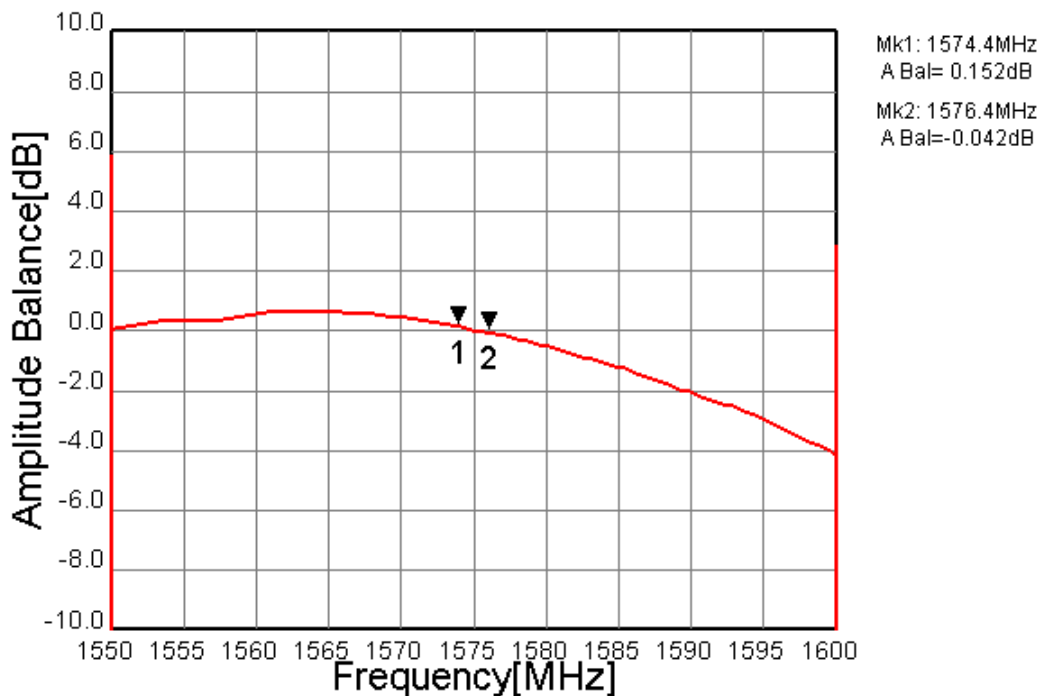


Fig.5 Amplitude Balance

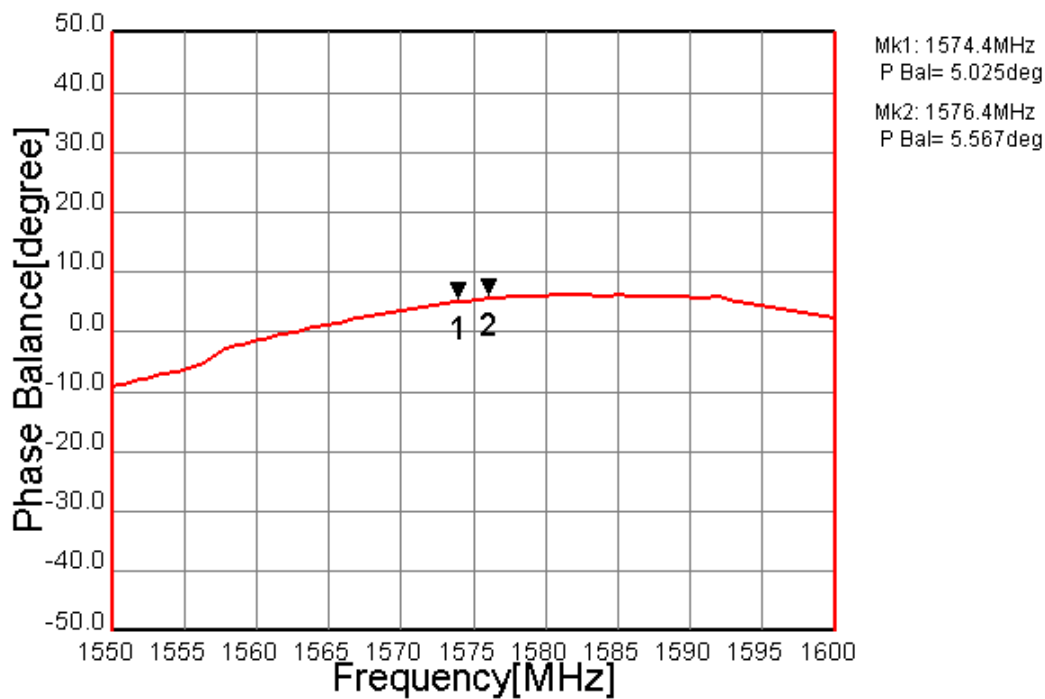


Fig.6 Phase Balance

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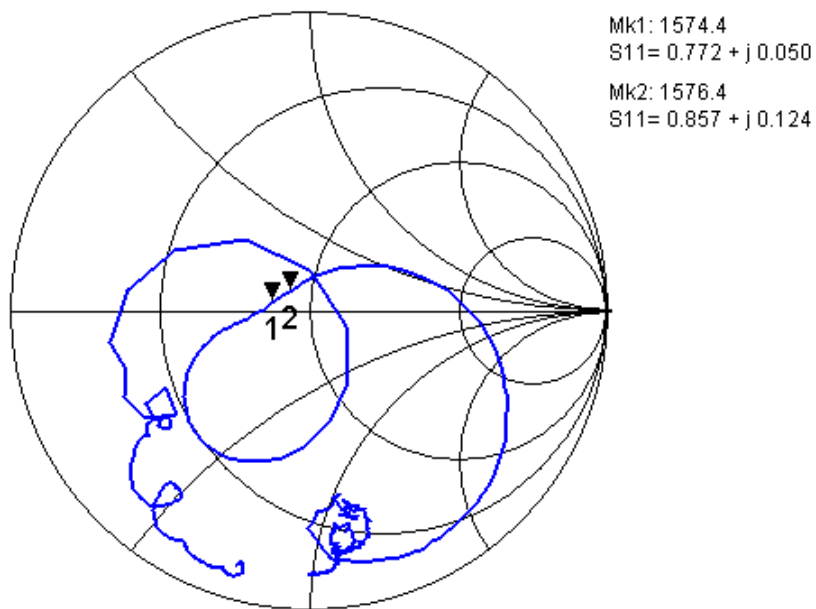


Fig.7 Input Impedance

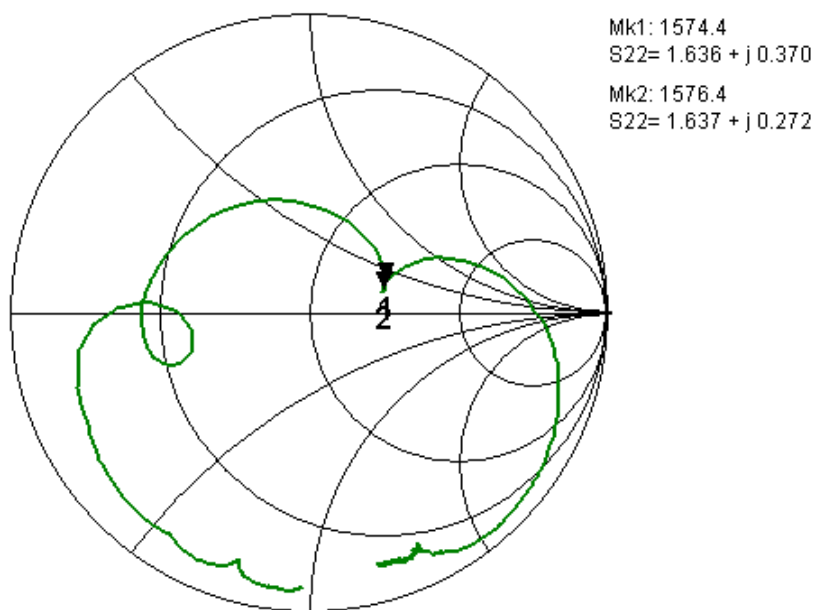


Fig.8 Output Impedance