

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
System	GPS	DATE	Feb. 22, 2006
FMD Part Number	FAR-F6EA-1G5754-L2AZ	Version 2.4 b	

Table 1. Electrical specifications

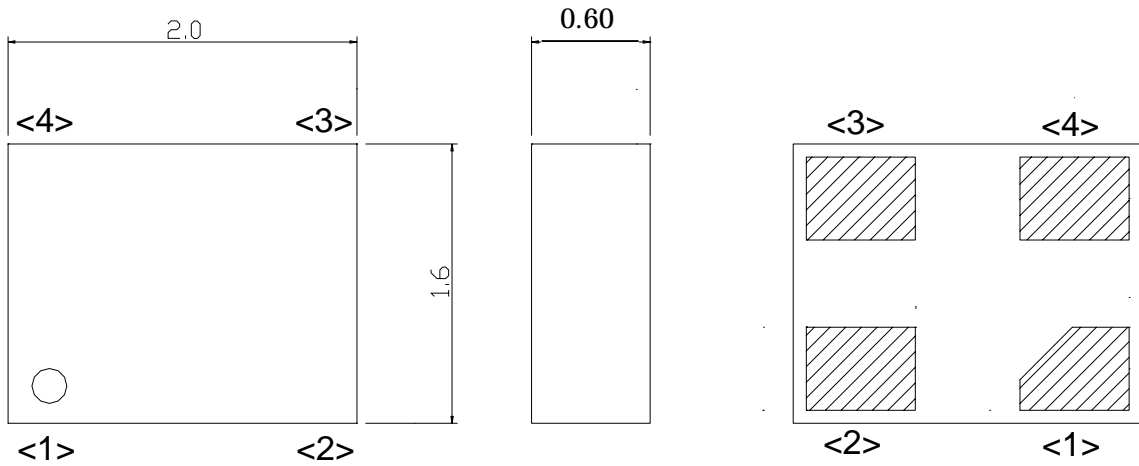
Item	Condition	Proposal			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	1574.42-1576.42MHz	-	1.2	1.5	dB	Note 1
Ripple	1574.42-1576.42MHz	-	0.2	0.5	dB	
VSWR	1574.42-1576.42MHz	-	1.2	1.8		
Absolute Attenuation	DC – 800 MHz	35	39	-	dB	
	800 – 1000 MHz	35	38	-	dB	
	1000 – 1210 MHz	35	38	-	dB	
	1475.42 MHz	35	44	-	dB	
	1525.42 MHz	30	49	-	dB	
	1625.42 MHz	30	50	-	dB	
	1675.42 MHz	35	44	-	dB	
	1800 – 2000 MHz	30	43	-	dB	
	2000 – 2500 MHz	35	45	-	dB	
	2500 – 3000 MHz	30	41	-	dB	
Maximum input power	1574.42-1576.42MHz	-	-	+10	dBm	
Maximum DC voltage		-5	-	+5	V	
PKG		2.0typ.x1.6typ.x0.6max			mm	
Operating temp.	-	-30~ +85			°C	

Note 1: Insertion loss doesn't include the loss coming from test fixture.

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● **Dimensions**

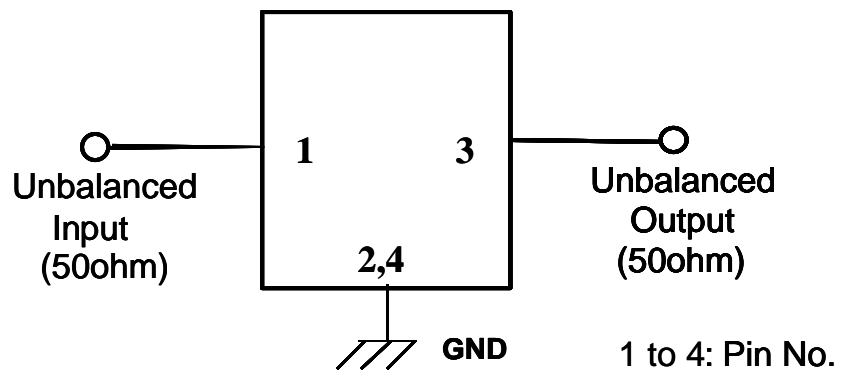
Device size: 2.0typ. x 1.6typ. x 0.60max



● **Pin Configuration**

Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	OUT	Output
4	GND	Ground

● **Evaluation Circuit**



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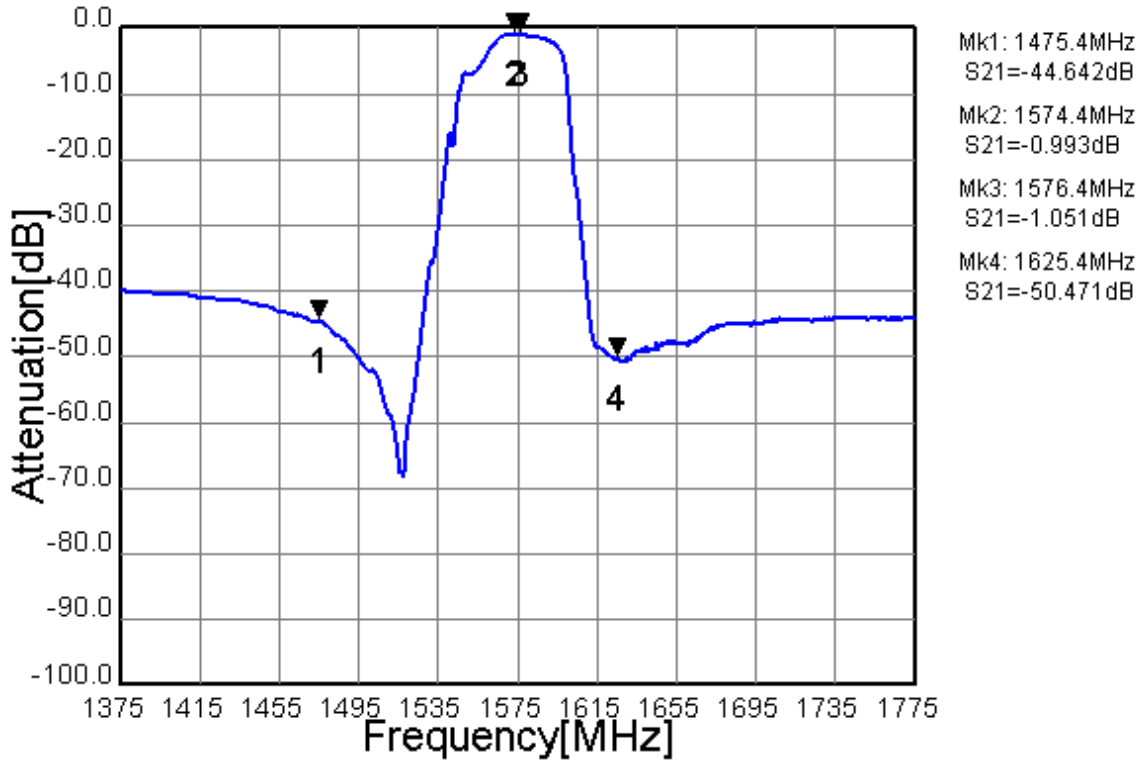


Fig.1 Pass-band Characteristics

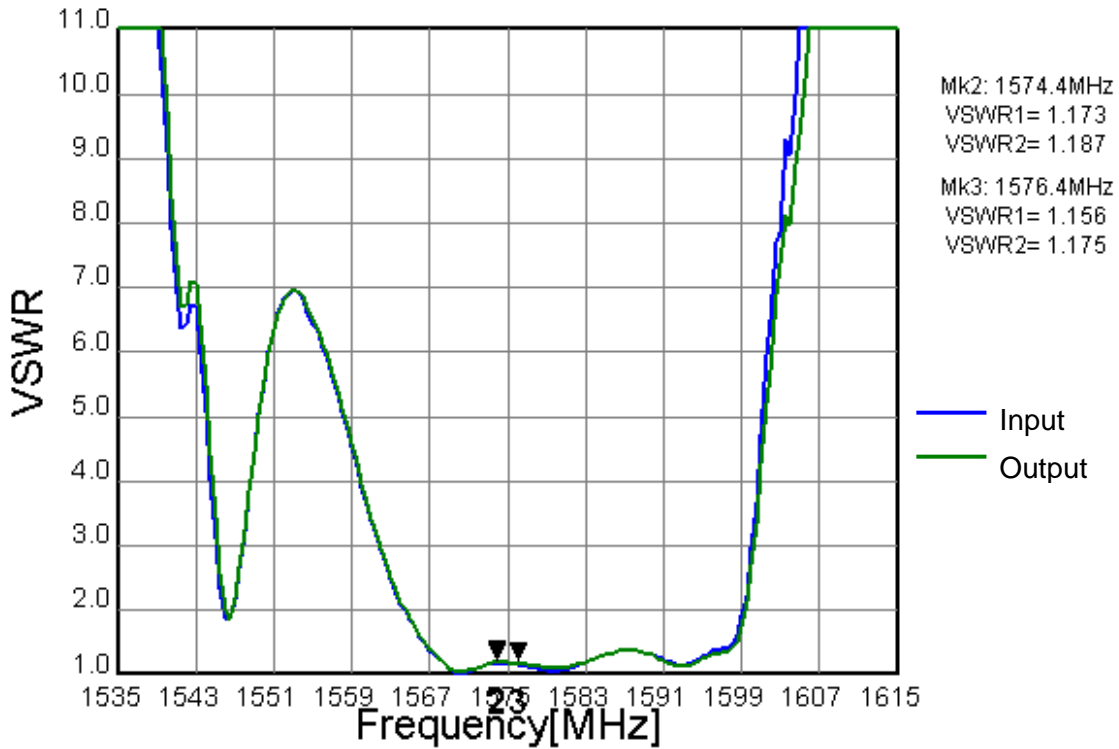


Fig.2 VSWR

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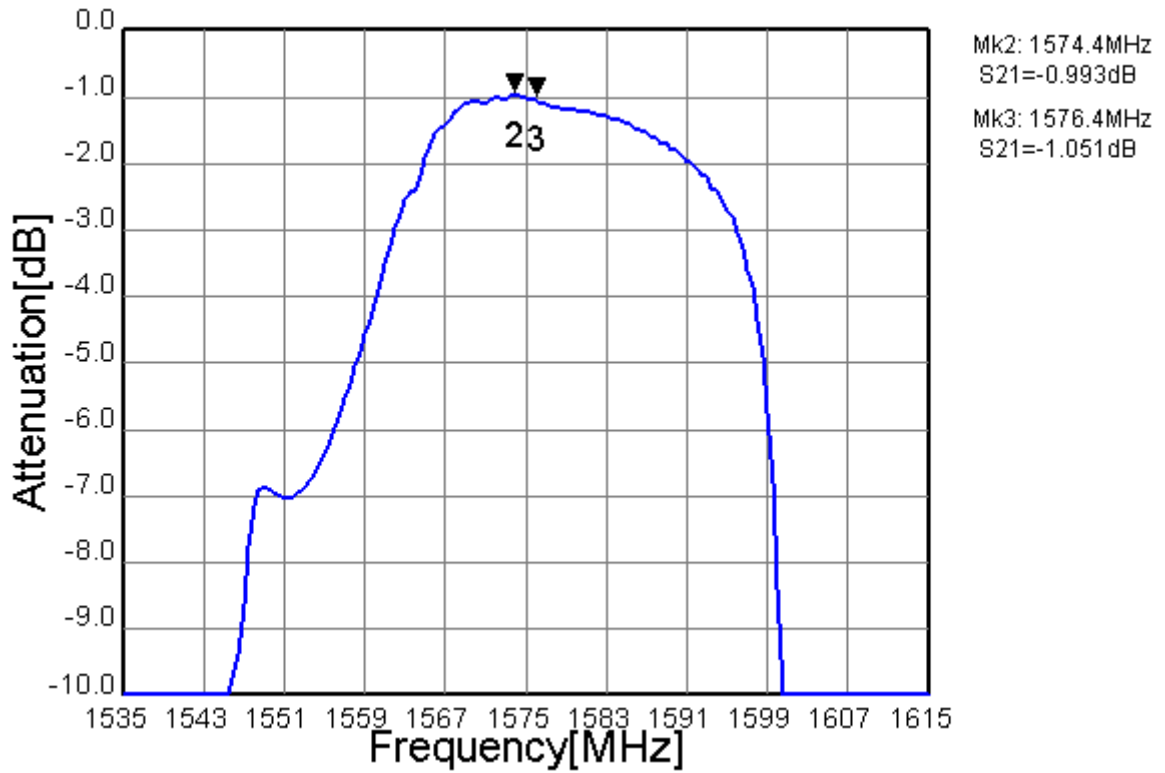


Fig.3 In-band Characteristics

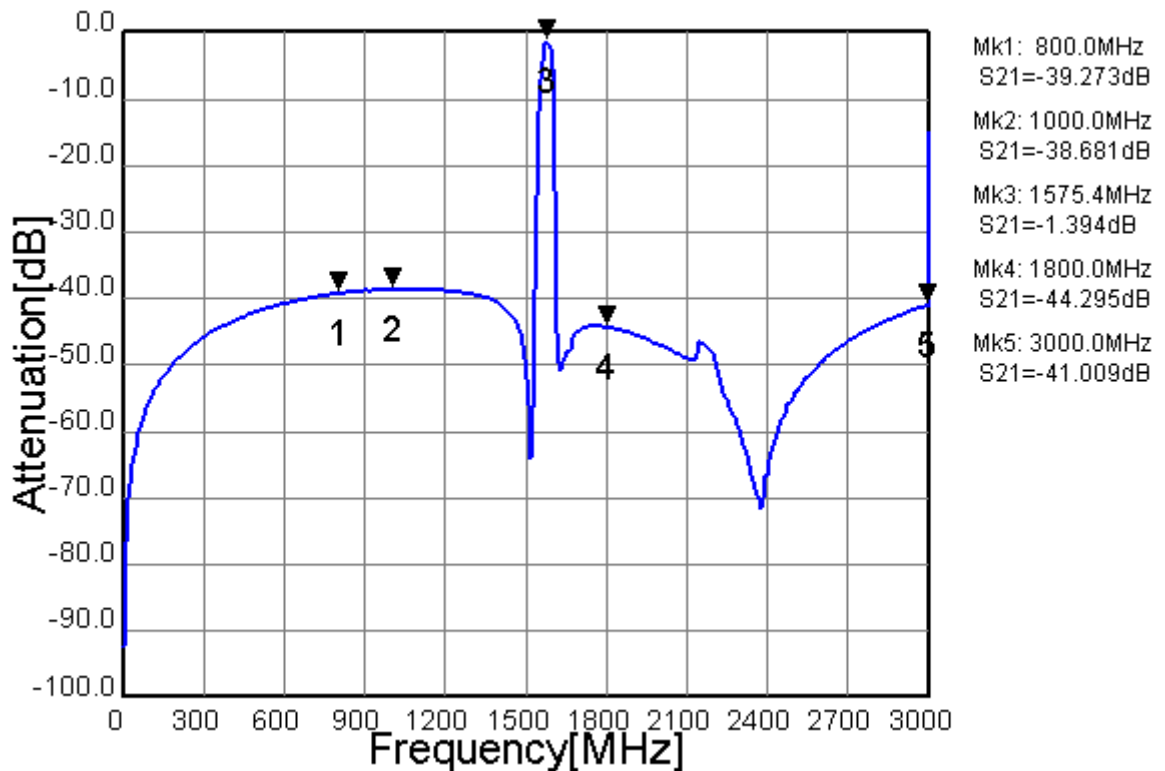


Fig.4 Wide-band Characteristics

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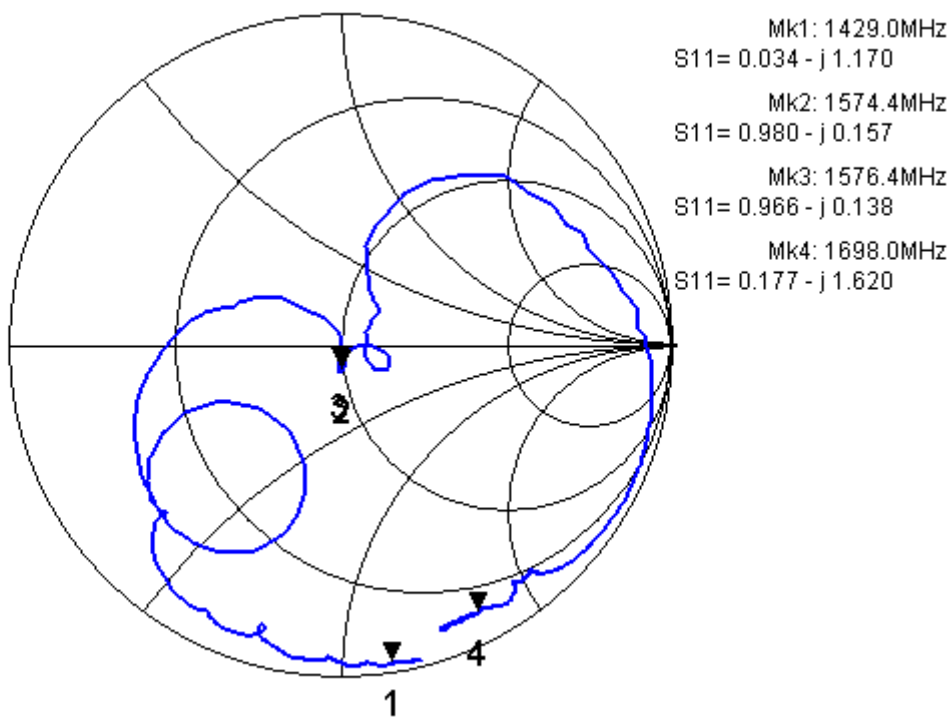


Fig.5 Input impedance

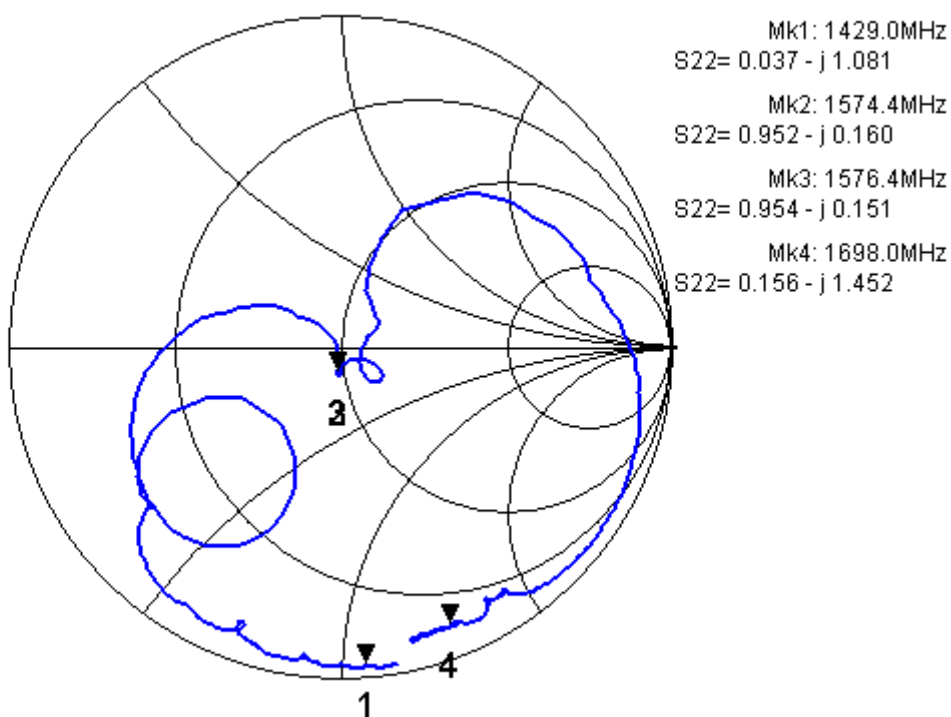


Fig.6 Output impedance