

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	Bluetooth, W-LAN	DATE	Nov 17, 2005
FMD Part Number	FAR-F6EA-2G4418-D2AU	Version 1.2a	

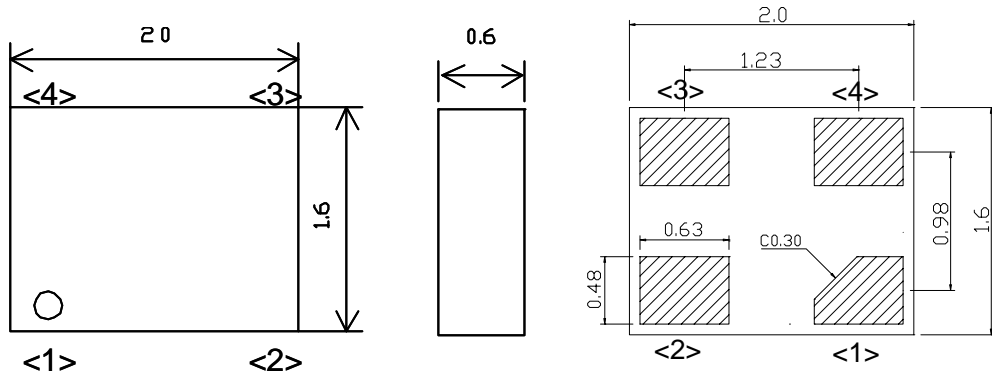
Table 1. Electrical specifications

Bluetooth,W-LAN						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min	Typ	Max		
Insertion Loss	2400 – 2483.5	-	2.8	3.4	dB	
Ripple	2400 – 2483.5	-	0.7	1.9	dB	
VSWR	2400 – 2483.5	-	1.8	2.5	dB	
Absolute attenuation	DC ~ 1700	28	34	-	dB	
	1700 ~ 2200	25	35	-	dB	
	2700 ~ 3000	20	27	-	dB	
	3000 ~ 3500	21	26	-	dB	
	3500 ~ 4000	18	22	-	dB	
	4000 ~ 6000	12	19	-	dB	
Max. Input Power	-	-	-	+10	dBm	
Input impedance	-	50//4.7nH			Ohms	
Output impedance	-	50//10nH			Ohms	
Temperature range	Operating	-30 to +85			°C	
	Storage	-40 to +100			°C	
Package size	-	2.0typ x 1.6typ x 0.6max			mm	

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Dimensions

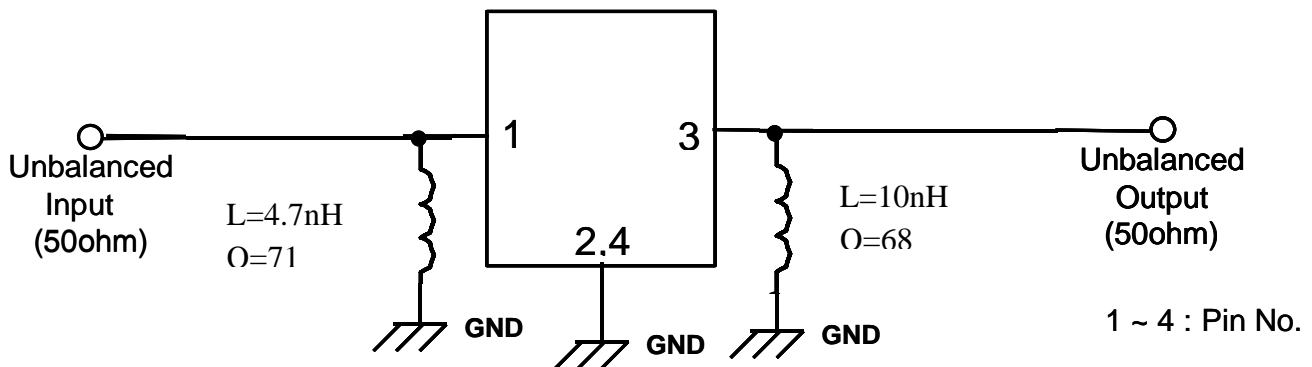
Device size: 2.0typ. x 1.6typ. x 0.6max



Pin Configuration

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

Evaluation Circuit



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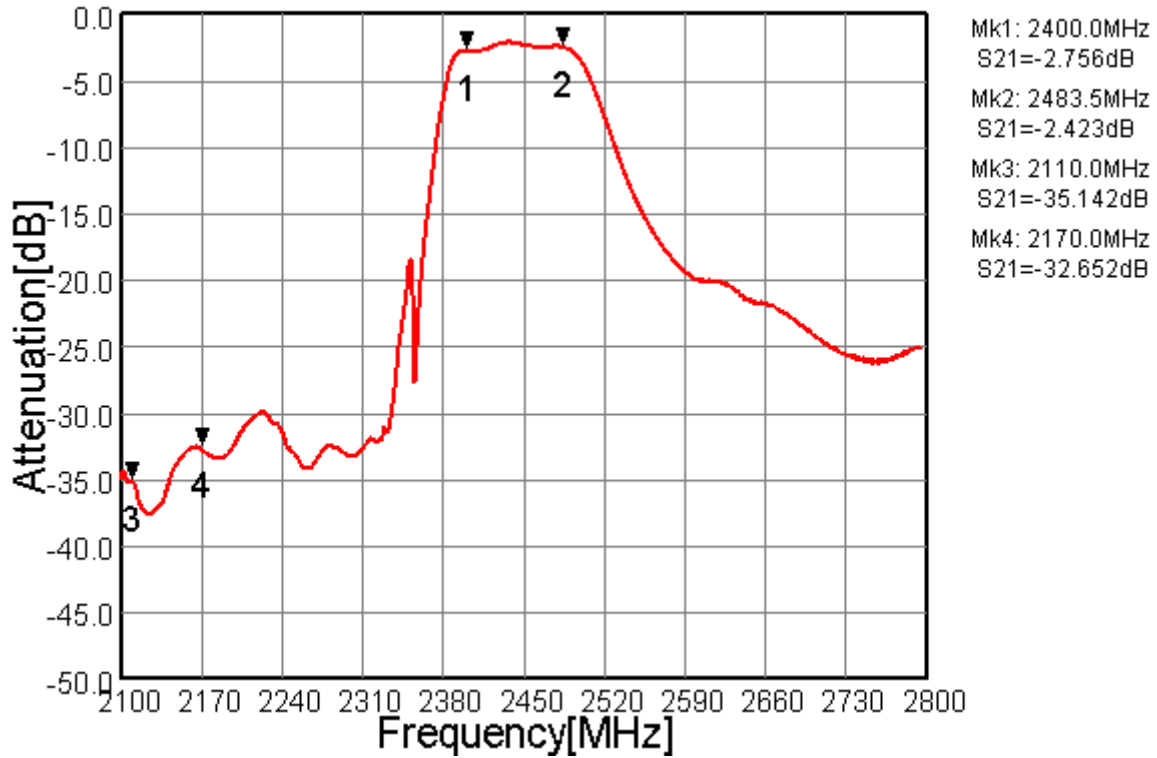


Figure 1. Pass-band Characteristics

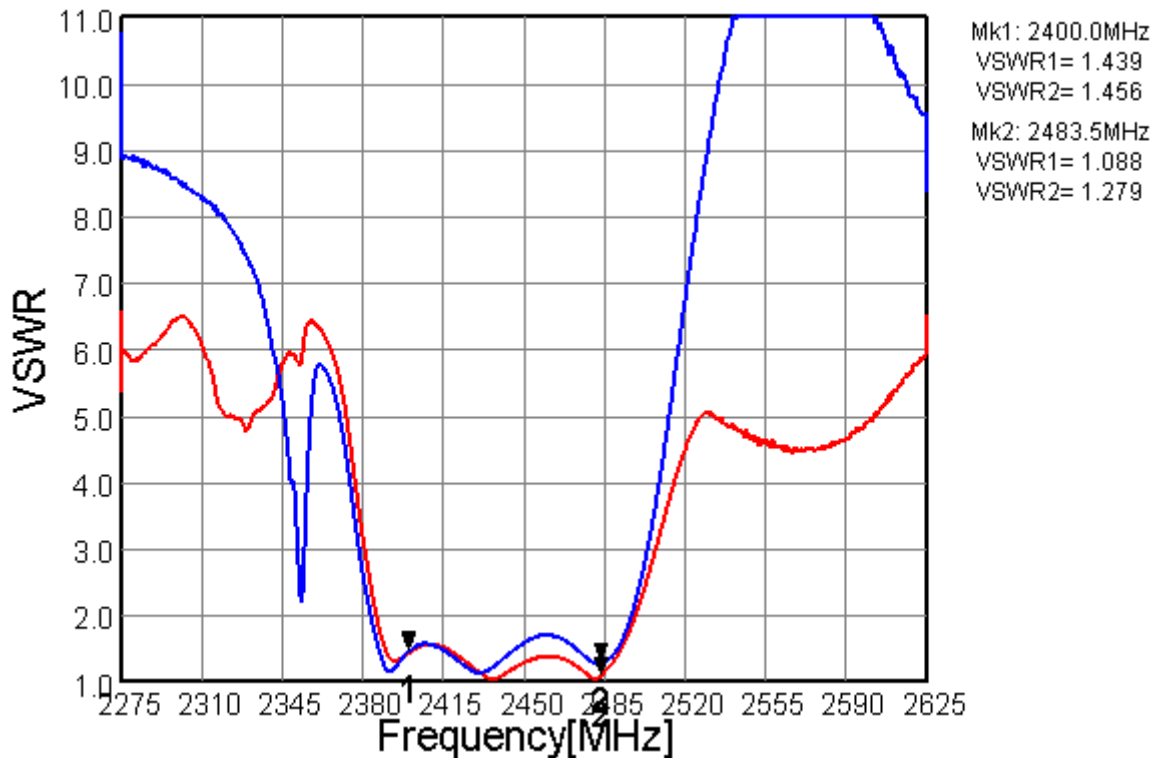


Figure 2. VSWR

— S11
— S22

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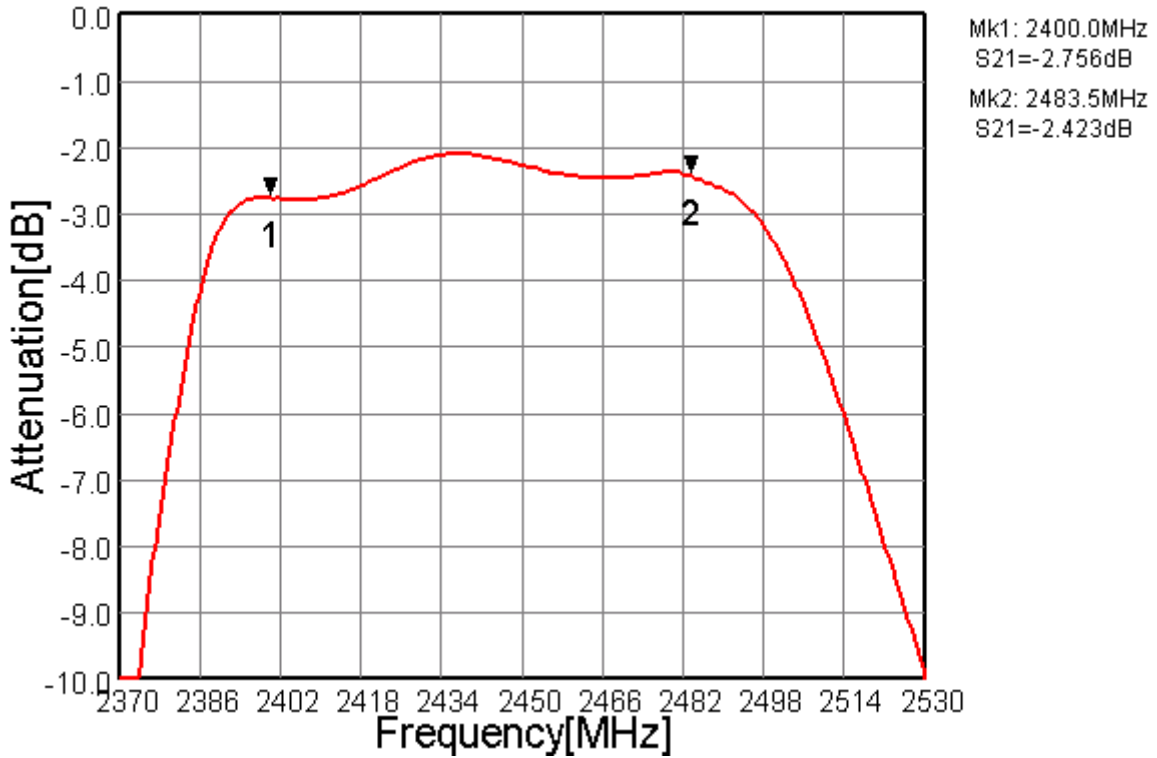


Figure 3. In-band Characteristics

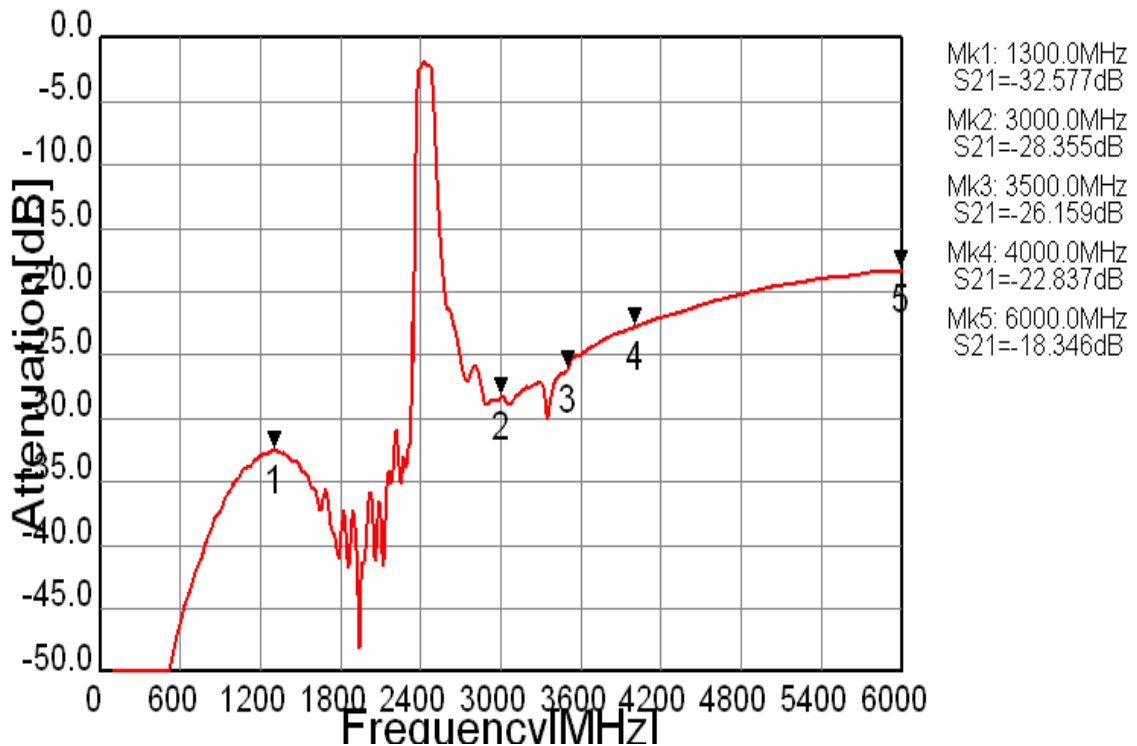


Figure 4. Wide-band Characteristics

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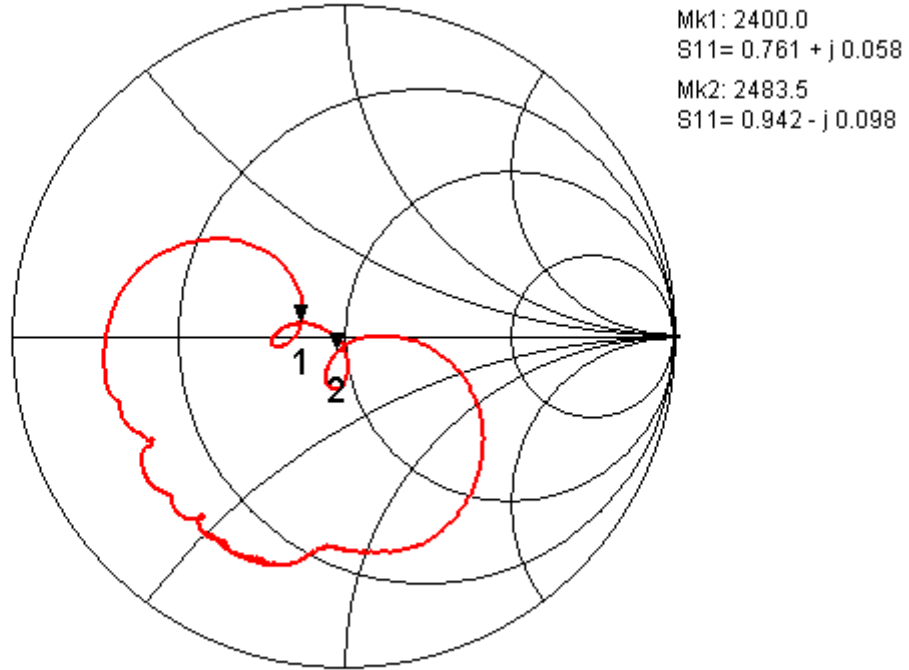


Fig.5 Input Impedance

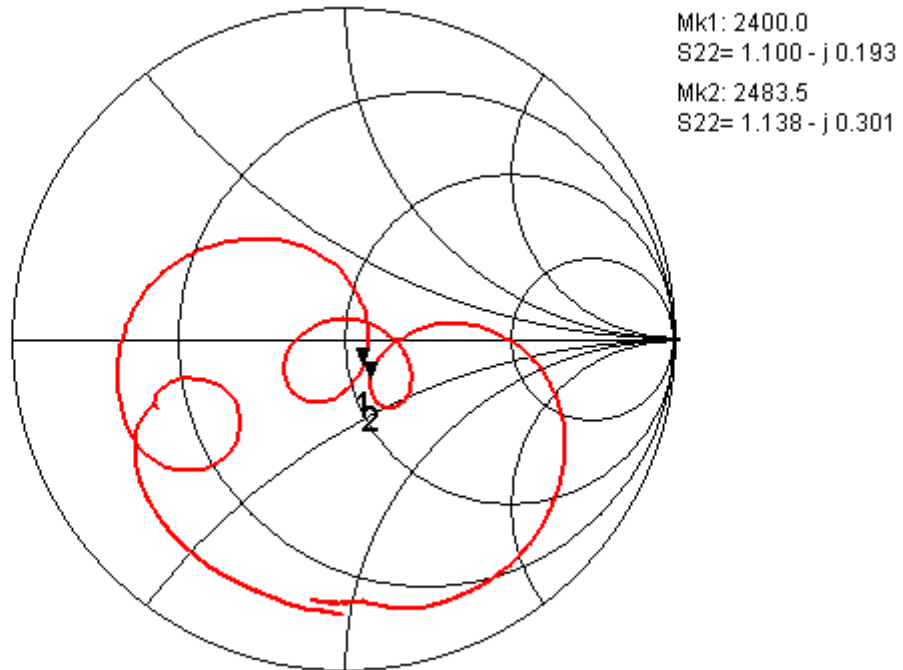


Fig.6 Output Impedance