

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	EGSM Tx (50/50ohm Unbalance)	DATE	June 29, 2007
FMD Part Number	FAR-F5KA-897M50-D4DC	Version 2.1 d	
Customer No.		Reference No.	

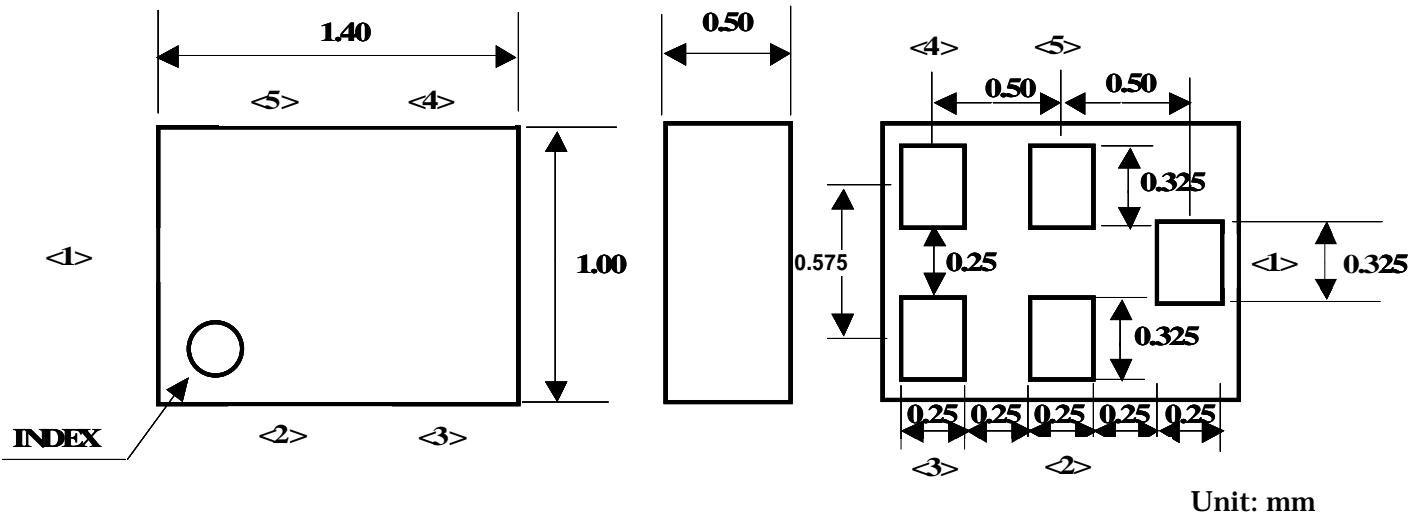
Table 1 Electrical Specification

Passband : 880 ~ 915 MHz						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	880 ~ 915	-	2.2	3.1	dB	
Ripple	880 ~ 915	-	1.1	1.9	dB	
Absolute attenuation	DC ~ 860	30	56	-	dB	
	860 ~ 870	18	33	-	dB	
	925 ~ 935	10	16	-	dB	
	935 ~ 960	24	29	-	dB	
	1760 ~ 1830	40	54	-	dB	
	2640 ~ 2745	30	45	-	dB	
VSWR(Input)	880 ~ 915	-	1.9	2.4	-	
VSWR(Output)	880 ~ 915	-	1.8	2.4	-	
Input Impedance	Unbalanced	50			ohm	
Output Impedance	Unbalanced	50			ohm	
Input Power	880 ~ 915	-	-	+12	dBm	
Operating temperature		-30 ~ +85			°C	
Device size		1.4typ. x 1.0typ. x 0.50max.			mm	

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Dimension

Device size: 1.4typ. x 1.0typ. x 0.50max.

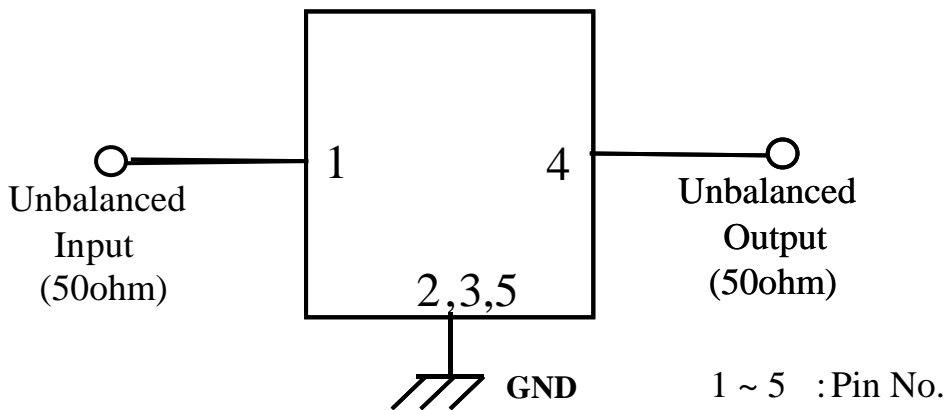


Unit: mm

Pin Configuration

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

Evaluation Circuit



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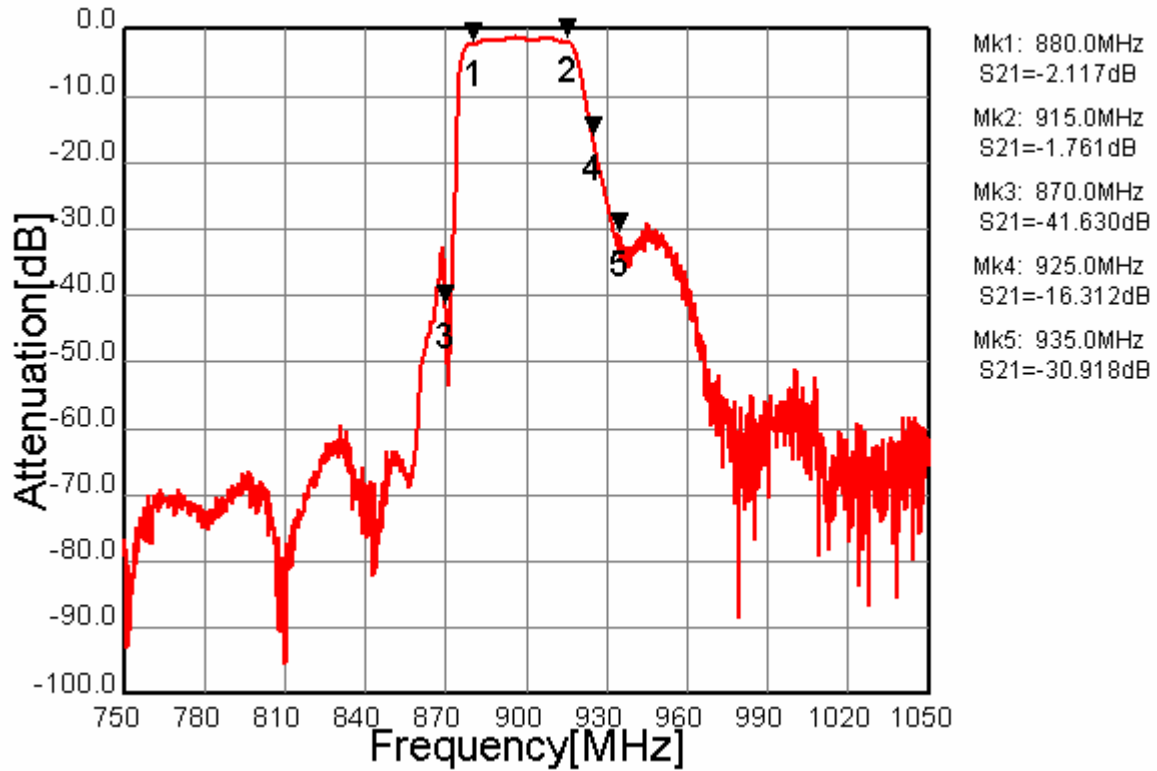


Fig.1 Pass-band Characteristics

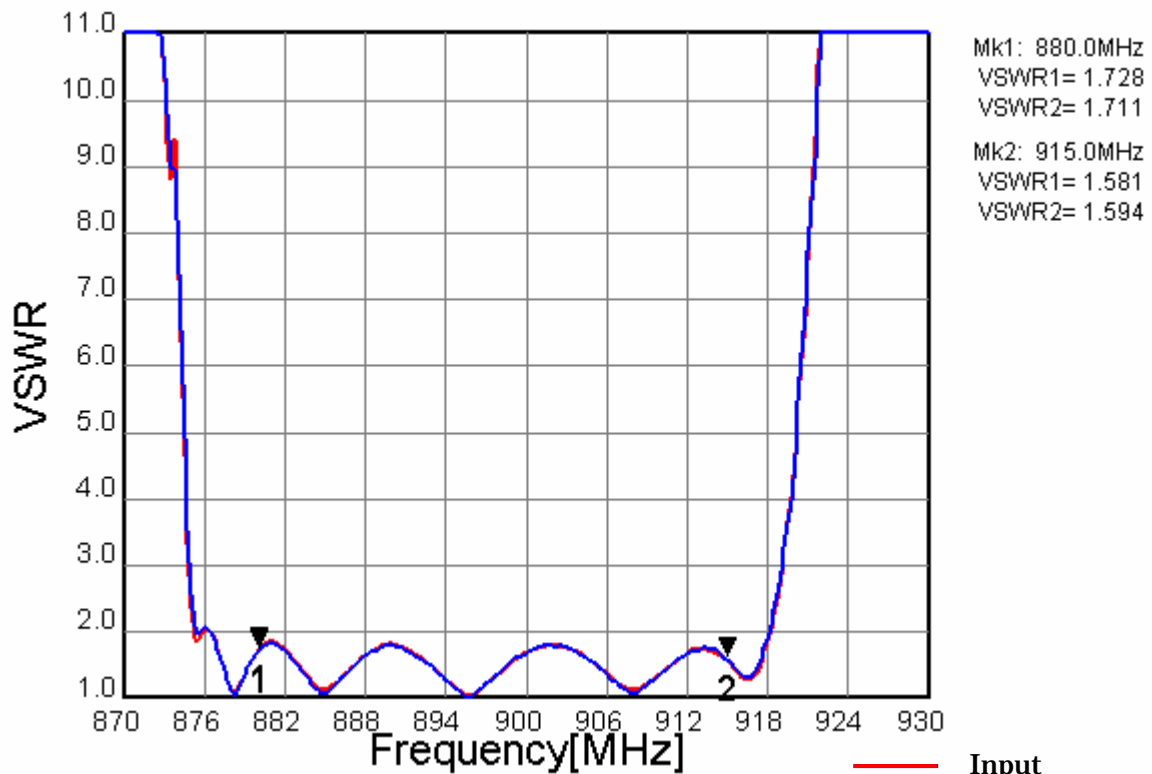
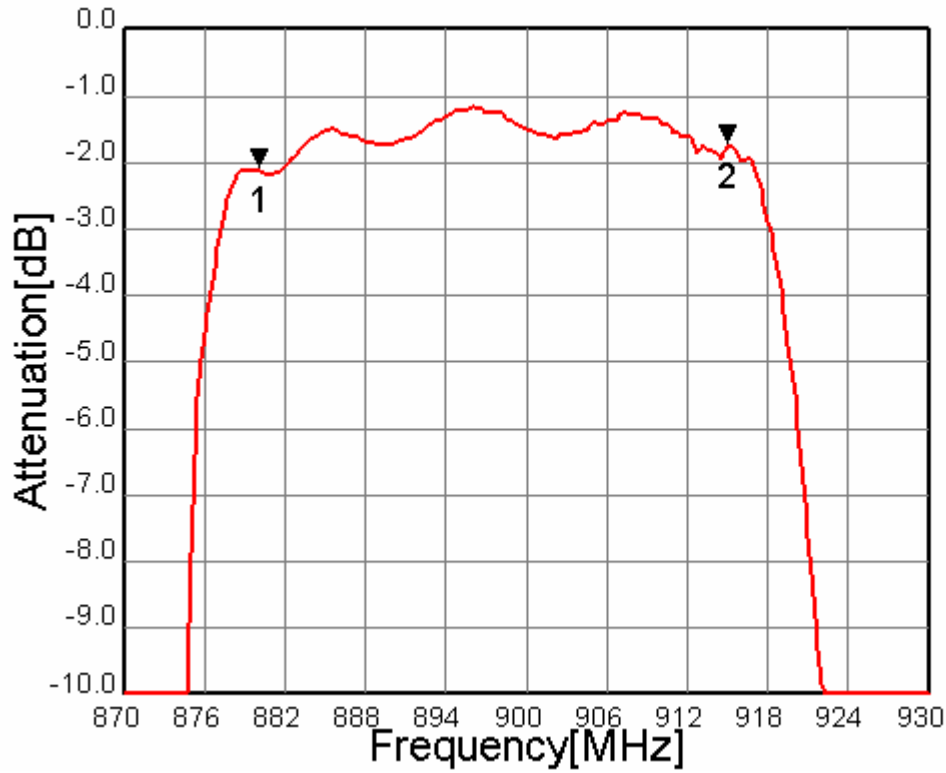


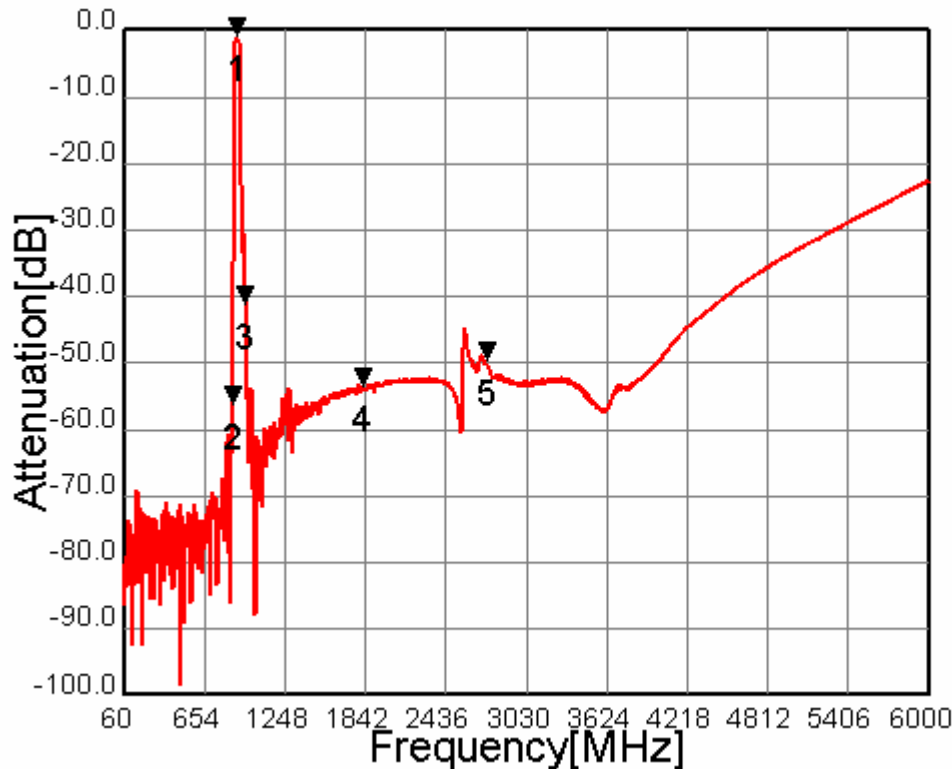
Fig.2 VSWR

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Mk1: 880.0MHz
S21=-2.117dB
Mk2: 915.0MHz
S21=-1.761dB

Fig.3 In-band Characteristics



Mk1: 897.5MHz
S21=-1.301dB
Mk2: 860.0MHz
S21=-56.825dB
Mk3: 960.0MHz
S21=-41.583dB
Mk4: 1830.0MHz
S21=-53.938dB
Mk5: 2745.0MHz
S21=-50.084dB

Fig.4 Wide-band Characteristics

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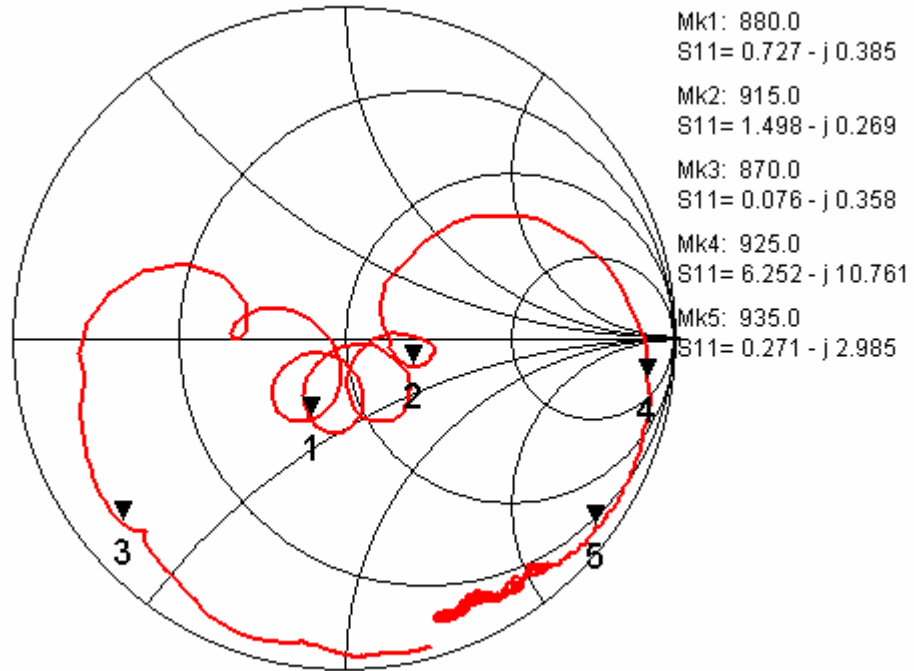


Fig.5 Input Impedance (Unbalance)

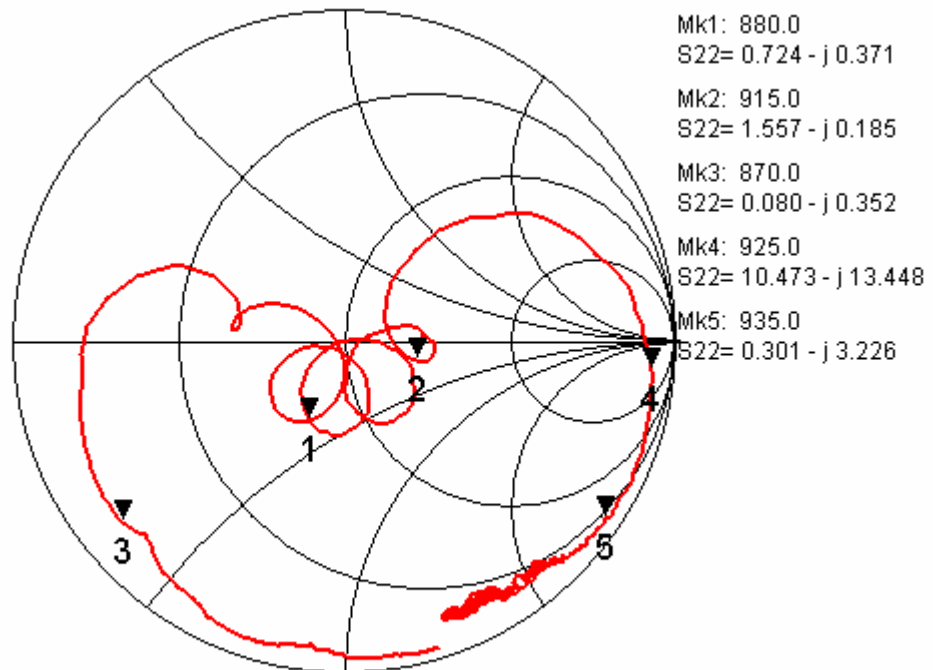


Fig.6 Output Impedance (Unbalance)