



MSL1

* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	CDMA / GSM850 Tx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F5KA-836M50-D4DF	Version 2.1 b	

Table 1. Electrical specifications

Passband: 824 ~ 849 MHz						
Item	Condition	Specification				Remarks
		Min.	Typ.	Max.	Unit	
Insertion Loss	824 - 849 MHz	-	1.9	2.6	dB	
Ripple	824 - 849 MHz	-	0.7	1.6	dB	
Absolute Attenuation	DC - 750 MHz	35	45	-	dB	
	750 - 800 MHz	28	41	-	dB	
	869 - 894 MHz	35	44	-	dB	
	894 - 1050 MHz	38	45	-	dB	
	1050 - 1210 MHz	35	44	-	dB	
	1210 - 1580 MHz	30	39	-	dB	
	1580 - 2000 MHz	28	36	-	dB	
	2000 - 3000 MHz	23	31	-	dB	
	3000 - 6000 MHz	12	22	-	dB	
VSWR(Input)	824 - 849 MHz	-	1.8	2.3		
VSWR(Output)	824 - 849 MHz	-	1.8	2.3		
Input Impedance		50			Ohm	
Output Impedance		50			Ohm	
Device Size	-	1.4typ.x1.0typ.x0.5max.			°C	
Operating temp.	-	-30 ~ +85			°C	



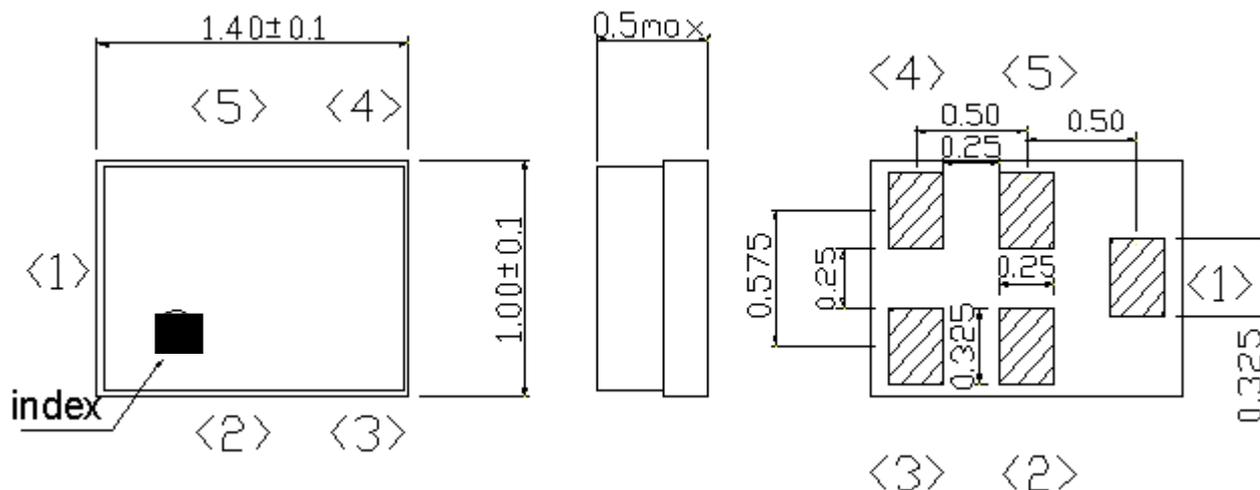
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Dimension

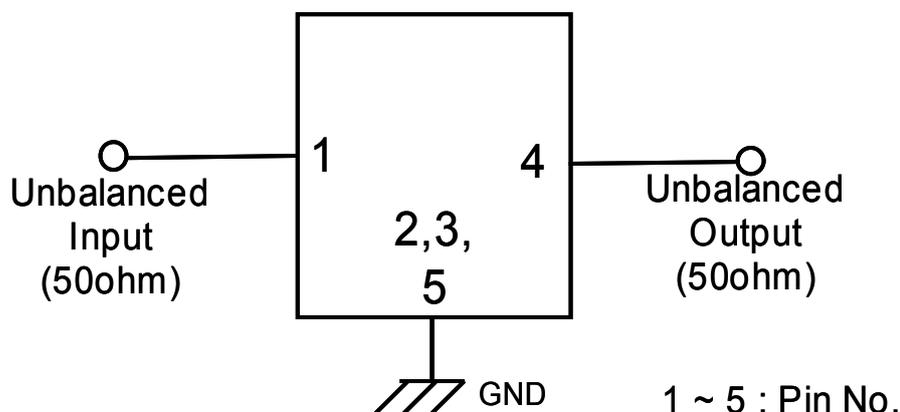
Device size: 1.4mmtyp. x 1.0mmtyp. x 0.5max.



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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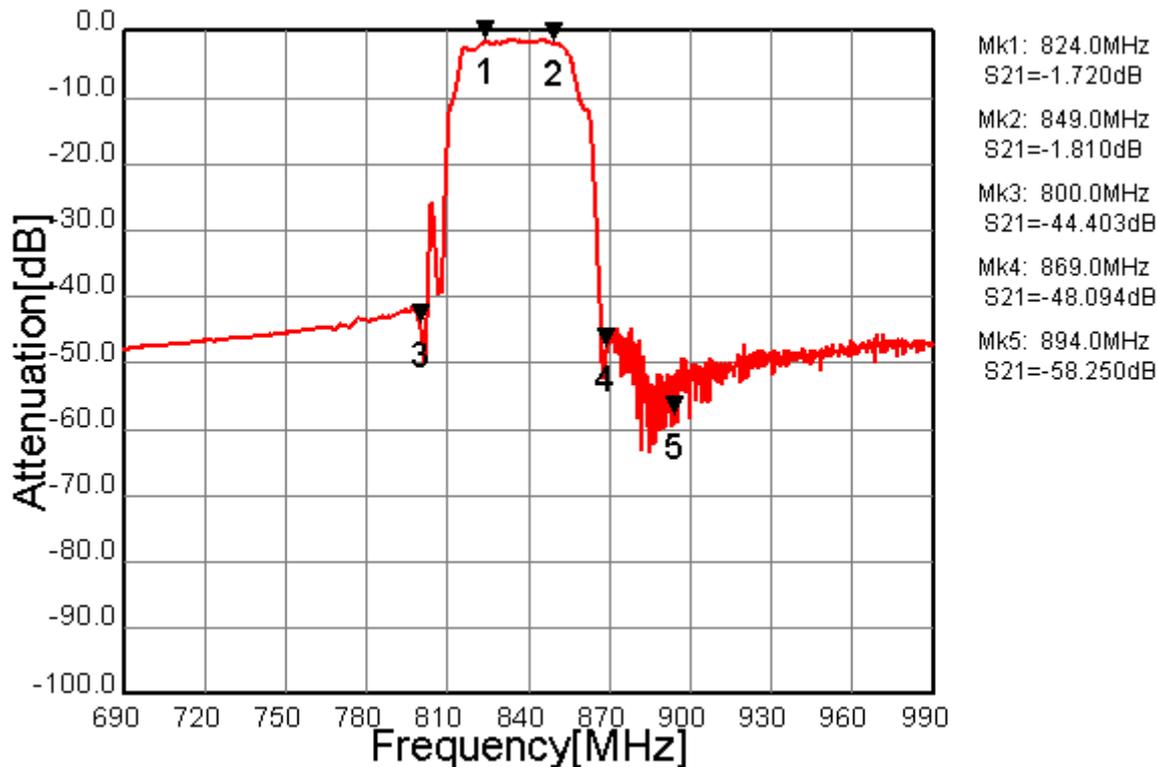


Fig.1 Pass-band Characteristics

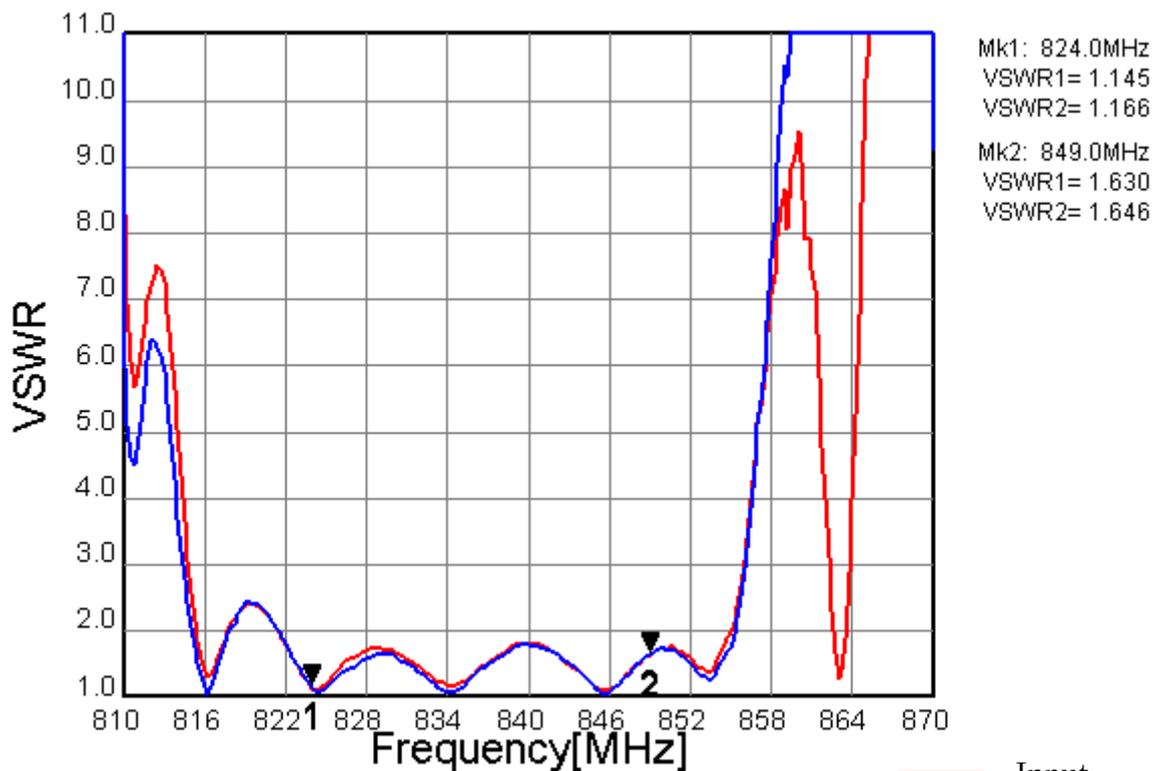


Fig.2 VSWR

— Input
— Output



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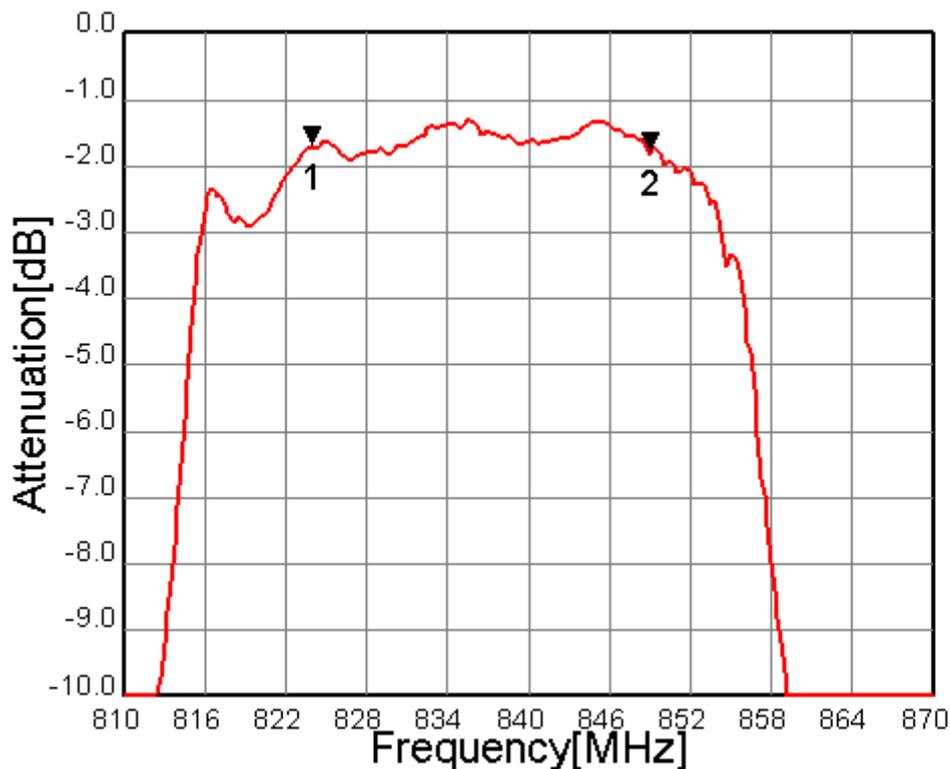


Fig.3 In-band Characteristics

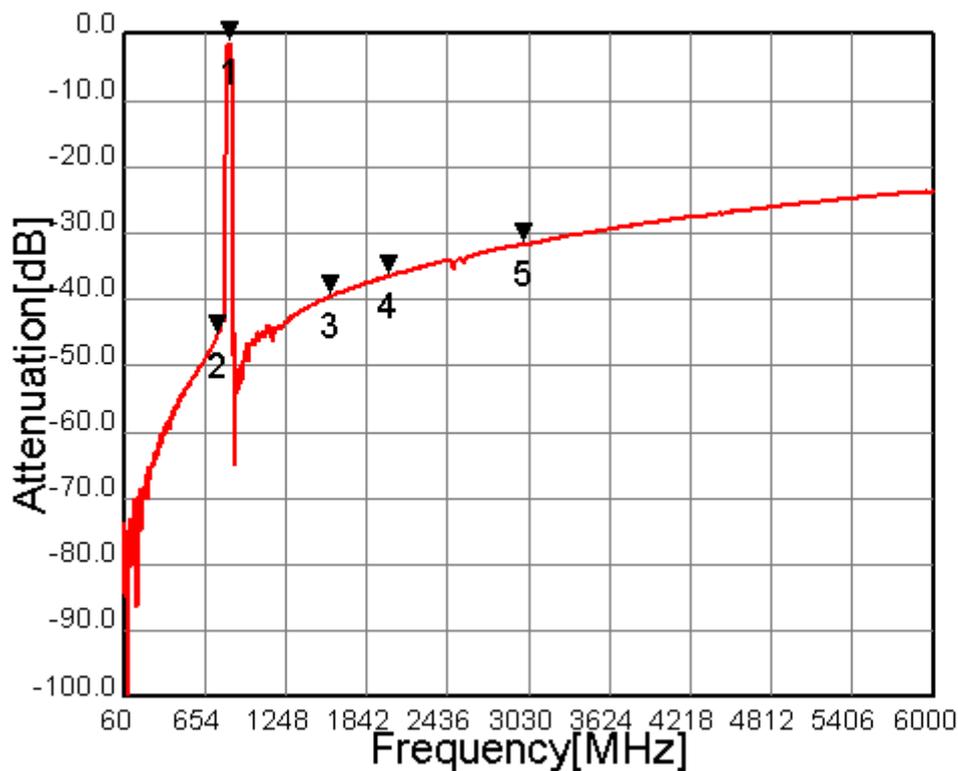


Fig.4 Wide-band Characteristics



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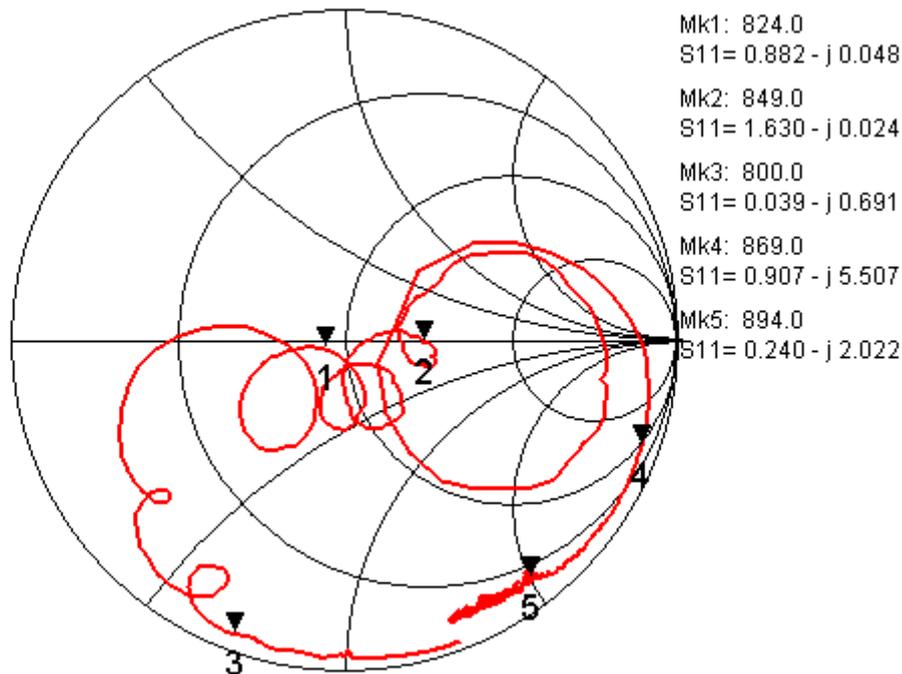


Fig.5 Input Impedance

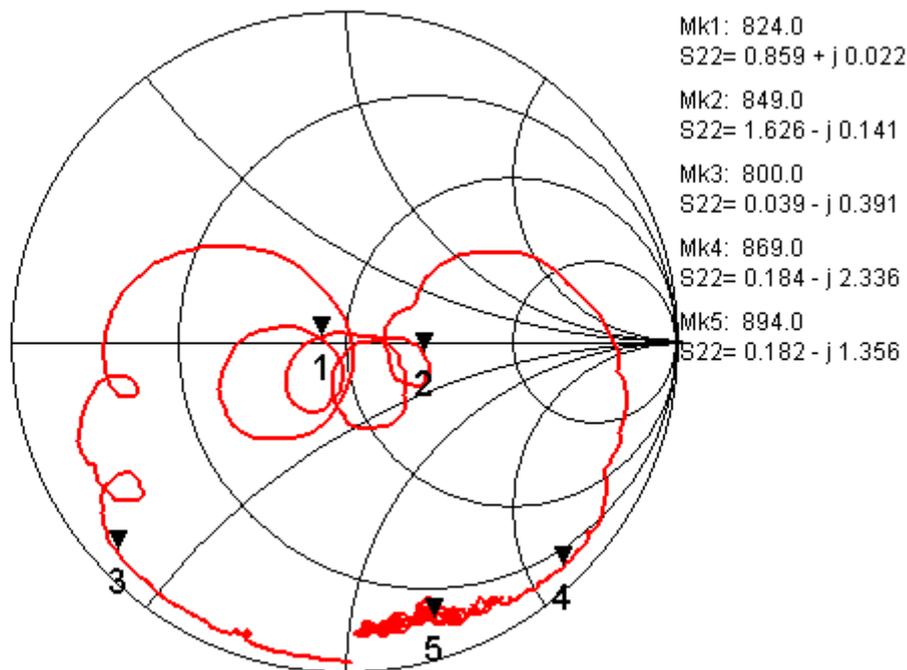


Fig.6 Output Impedance