Pb-free

RoHS

MSL1

* Pb Free Part

Customer Name	**Standard**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	GSM850/WCDMA Rx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F5KA-881M50-D4DB	Version 4.2 g	

Table 1. Electrical specifications

Passband: 869 ~ 894 MHz						
Item	**Condition**	**Specification**				**Remark**
		Min.	Typ.	Max.	Unit	
Insertion Loss	869 - 894 MHz	-	1.7	2.3	dB	
Ripple	869 - 894 MHz	-	0.5	1.2	dB	
Absolute Attenuation	DC - 824 MHz	40	59	-	dB	
	824 - 849 MHz	40	56	-	dB	
	914 - 970 MHz	25	35	-	dB	
	970 - 1049 MHz	38	57	-	dB	
	1049 - 2000 MHz	40	57	-	dB	
	2000 - 3000 MHz	30	45	-	dB	
	3000 - 6000 MHz	10	18	-	dB	
VSWR(Input)	869 - 894 MHz	-	1.7	2.1		
VSWR(Output)	869 - 894 MHz	-	1.7	2.1		
Input Power	824 - 849 MHz	-	-	17	dBm	
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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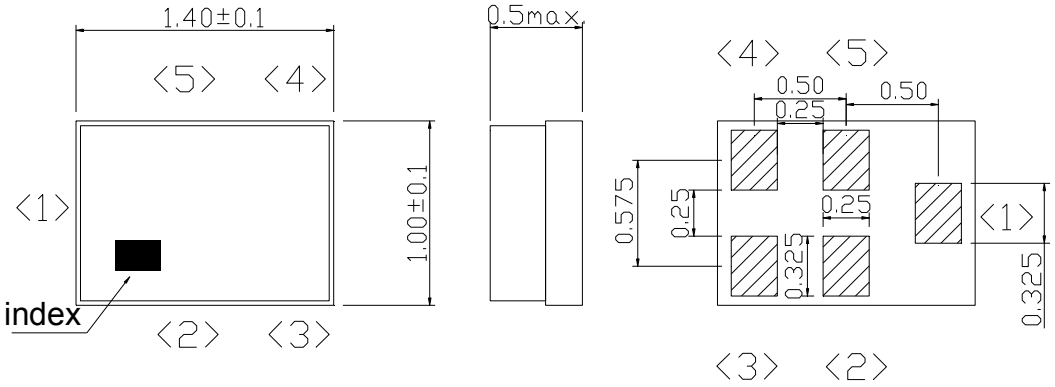
Part Number	FAR-F5KA-881M50-D4DB	Version 4.2 g	

Dimension

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

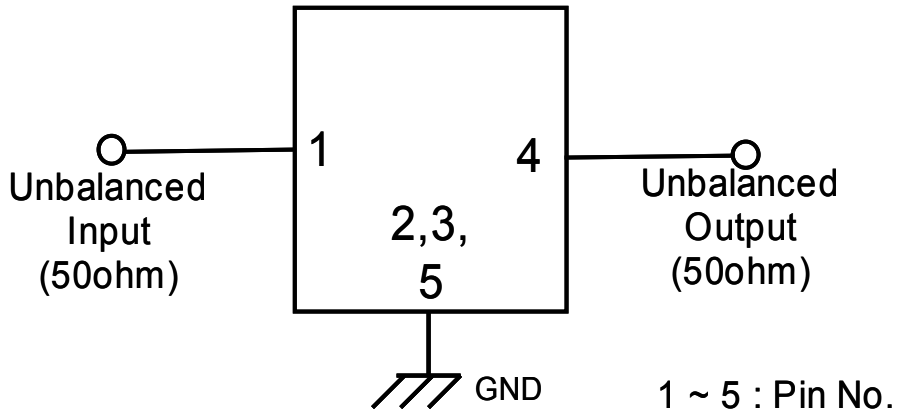


Unit: mm

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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Part Number	FAR-F5KA-881M50-D4DB	Version 4.2 g	

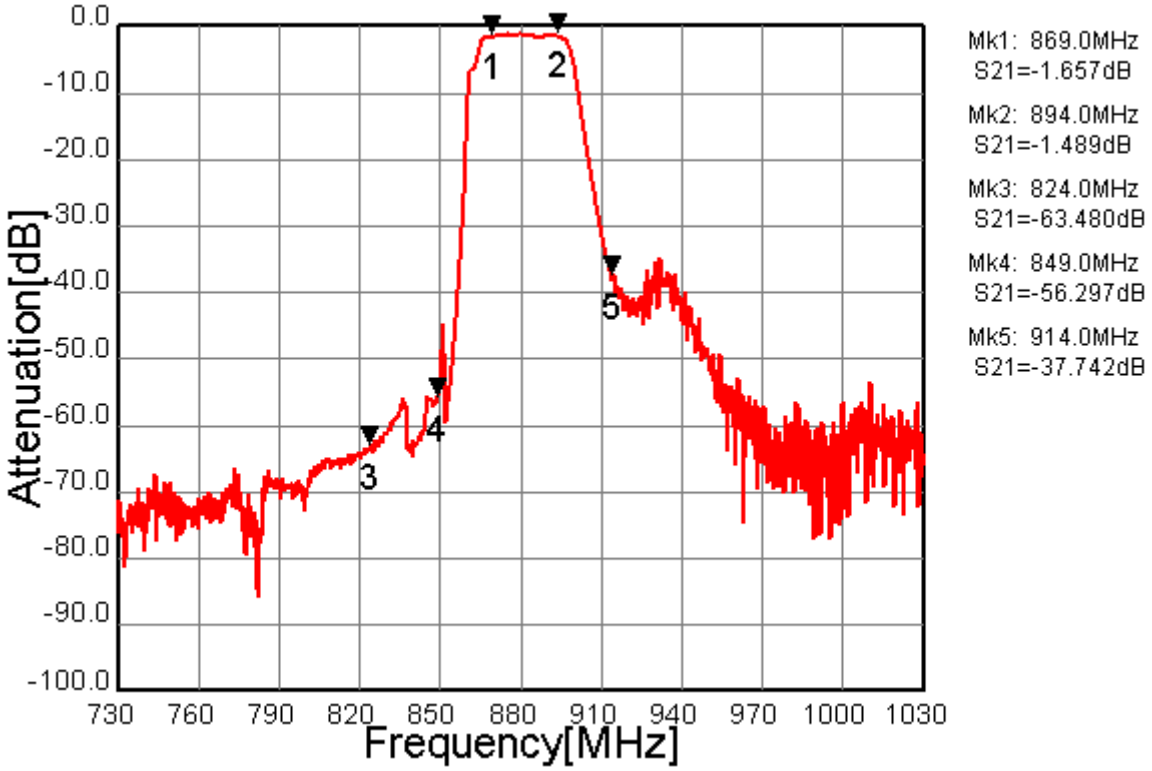

Fig.1 Pass-band Characteristics

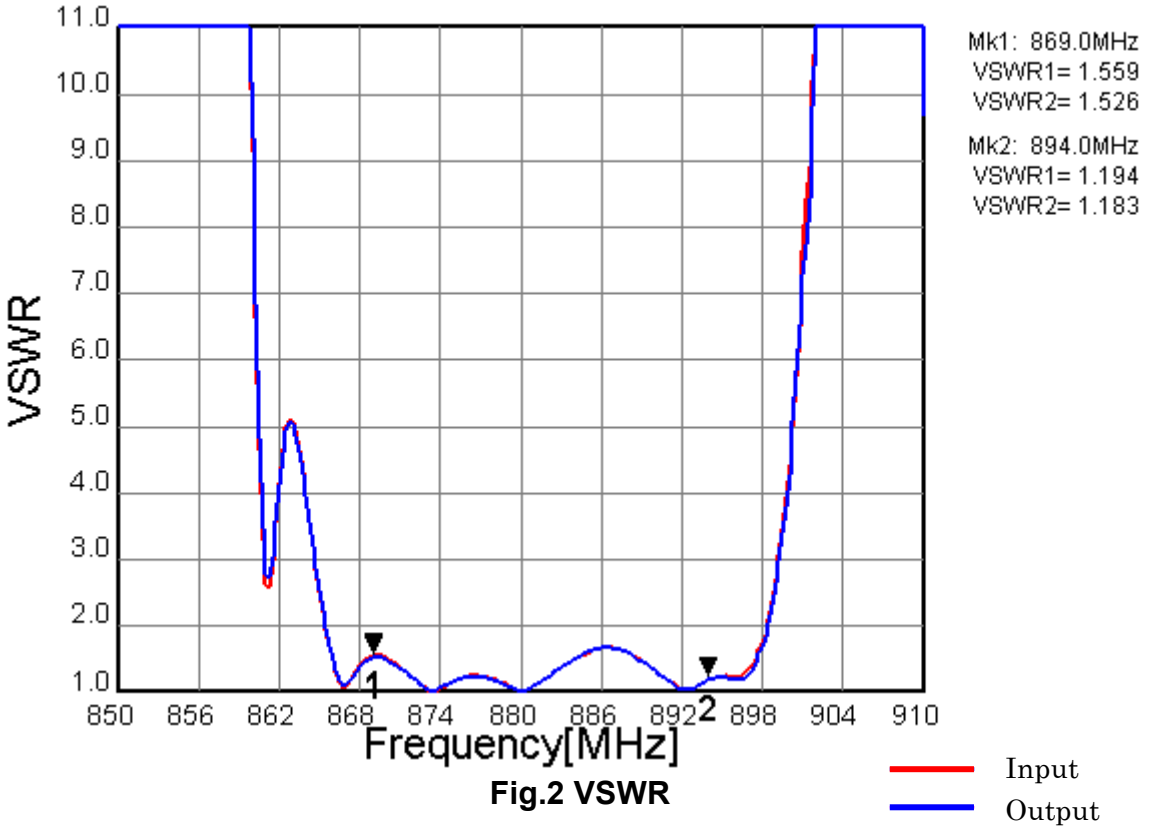

Fig.2 VSWR

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Part Number	FAR-F5KA-881M50-D4DB	Version 4.2 g	

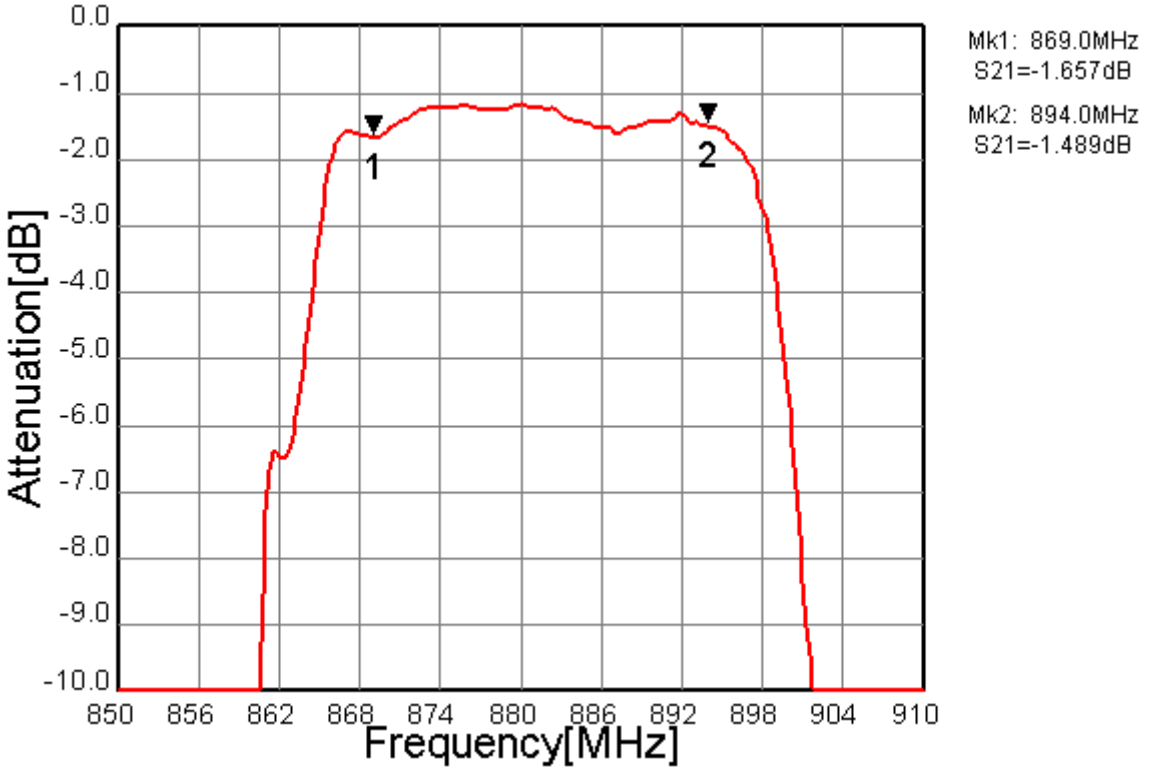

Fig.3 In-band Characteristics

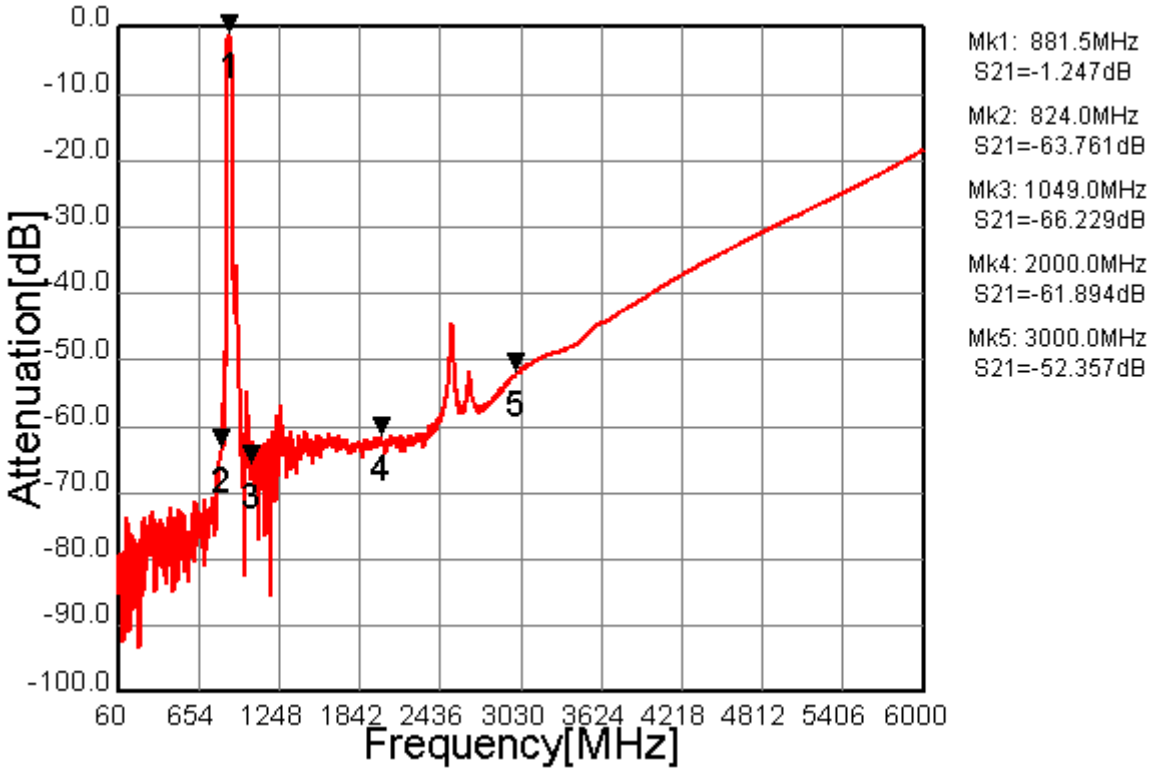

Fig.4 Wide-band Characteristics

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* Pb Free Part

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Customer Name	**Standard**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
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Part Number	FAR-F5KA-881M50-D4DB	Version 4.2 g	

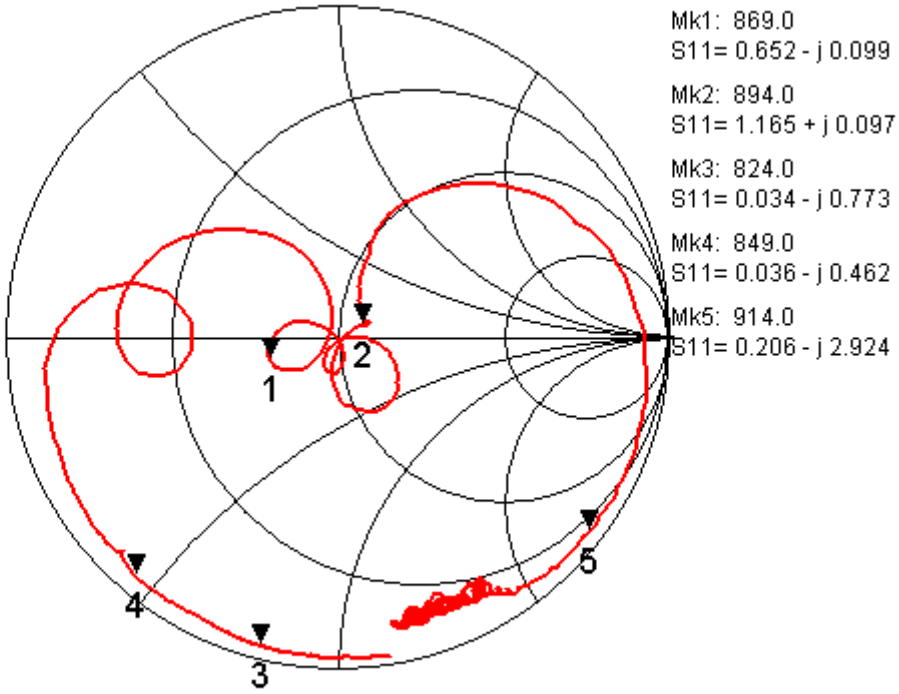

Fig.5 Input Impedance

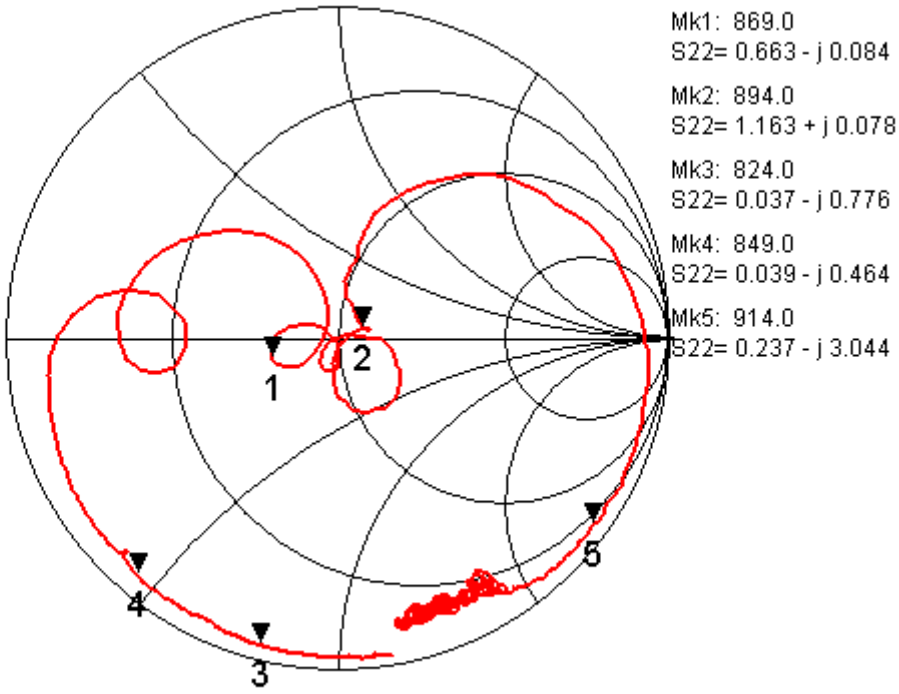

Fig.6 Output Impedance