



Pb-free



MSL1

*Pb Free part

CONFIDENTIAL

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band II-Rx Filter	DATE	Apr. 20, 2010
Part Number	FAR-F6KA-1G9600-D4MT	ver.1.2a	Preliminary

Table 1 Electrical Specification

Passband: 1930.6 ~ 1989.4 MHz						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss(*1)	1930.6 – 1989.4	-	3.4	4.0	dB	
	1932.4 – 1987.6	-	3.4	3.8	dB	
Ripple	1930.6 – 1989.4	-	1.7	2.6	dB	
	1932.4 – 1987.6	-	1.7	2.4	dB	
Absolute Attenuation	50-1850.6	40	45	-	dB	
	1850.6-1909.4	40	43	-	dB	
	1852.4-1907.6	40	43	-	dB	
	2040-2800	35	45	-	dB	
	2800-3400	30	38	-	dB	
	3400-6000	25	33	-	dB	
Input VSWR	1930.6 – 1989.4	-	2.2	2.8	-	
Output VSWR	1930.6 – 1989.4	-	2.4	2.8	-	
Input Impedance	unbalanced	50			Ohm	
Output Impedance	unbalanced	50			Ohm	
Device Size		1.4typ.x1.0typ.x0.5max.			mm	
Operating Temperature		-30 ~ +85			°C	

(*1) Specification of insertion loss includes loss that comes from the test board. (Value: 0.15dB)



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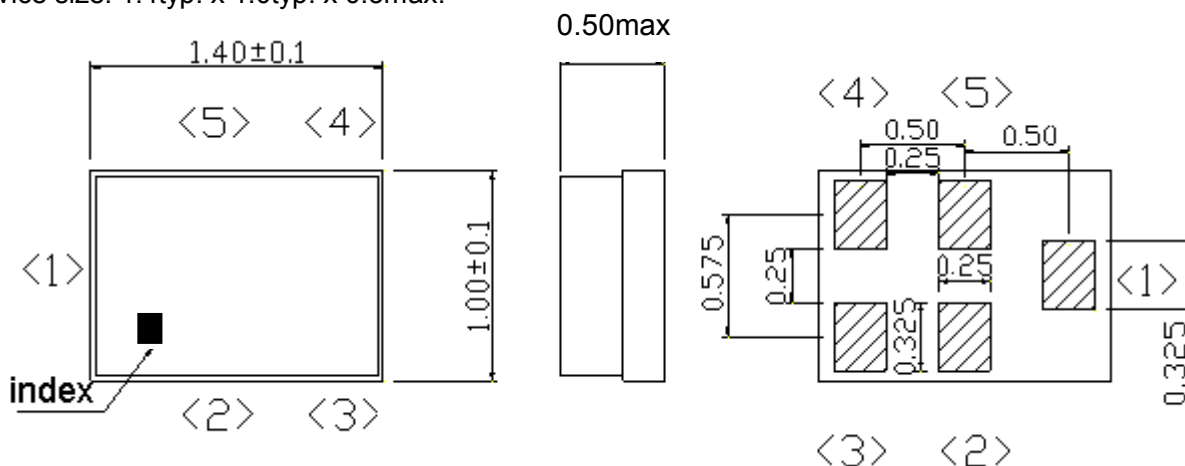
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Dimensions

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

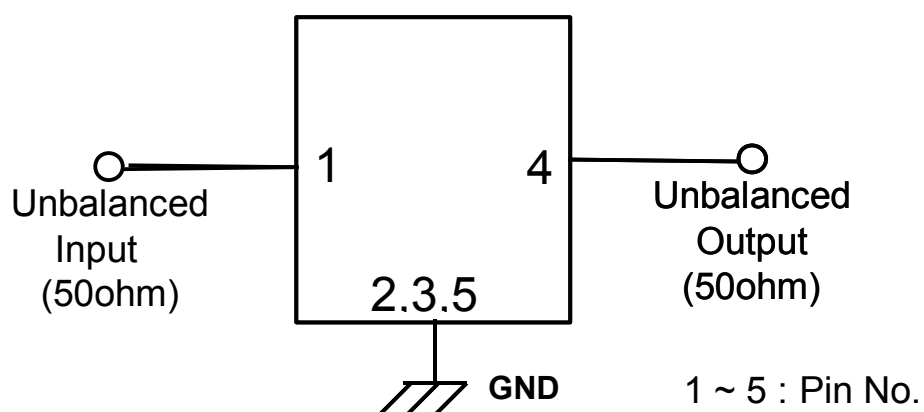


Unit : mm

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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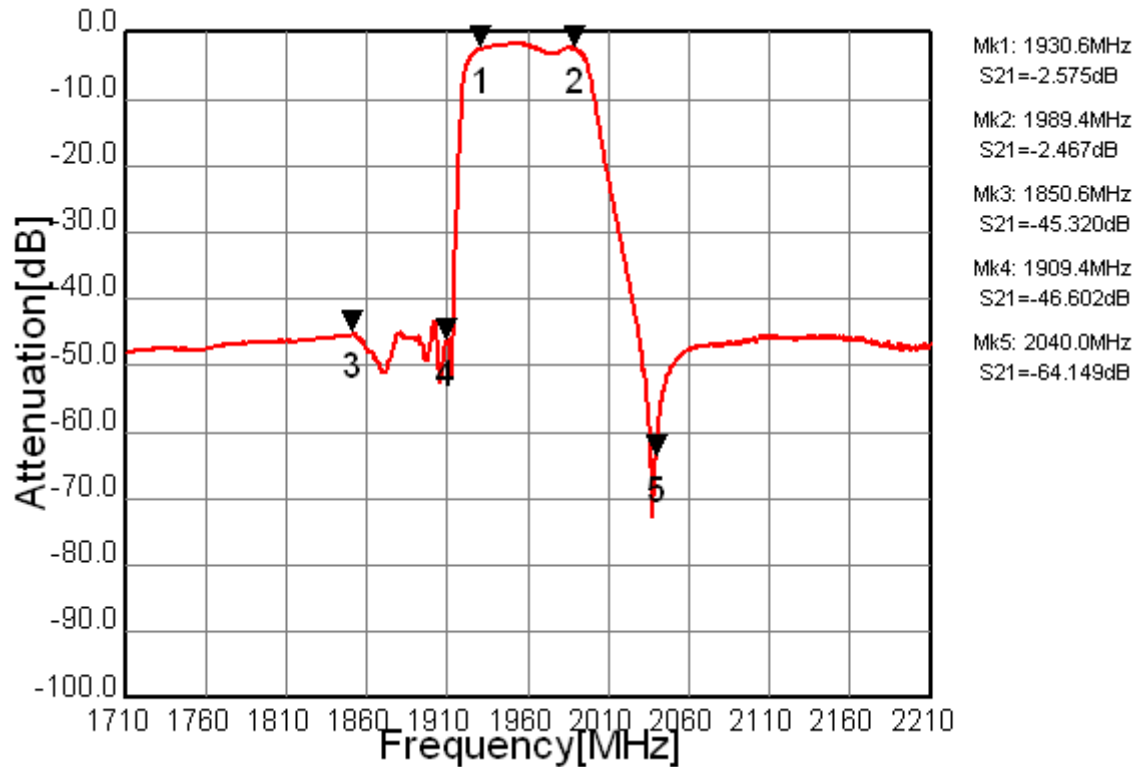


Fig.1 Pass-band Characteristics

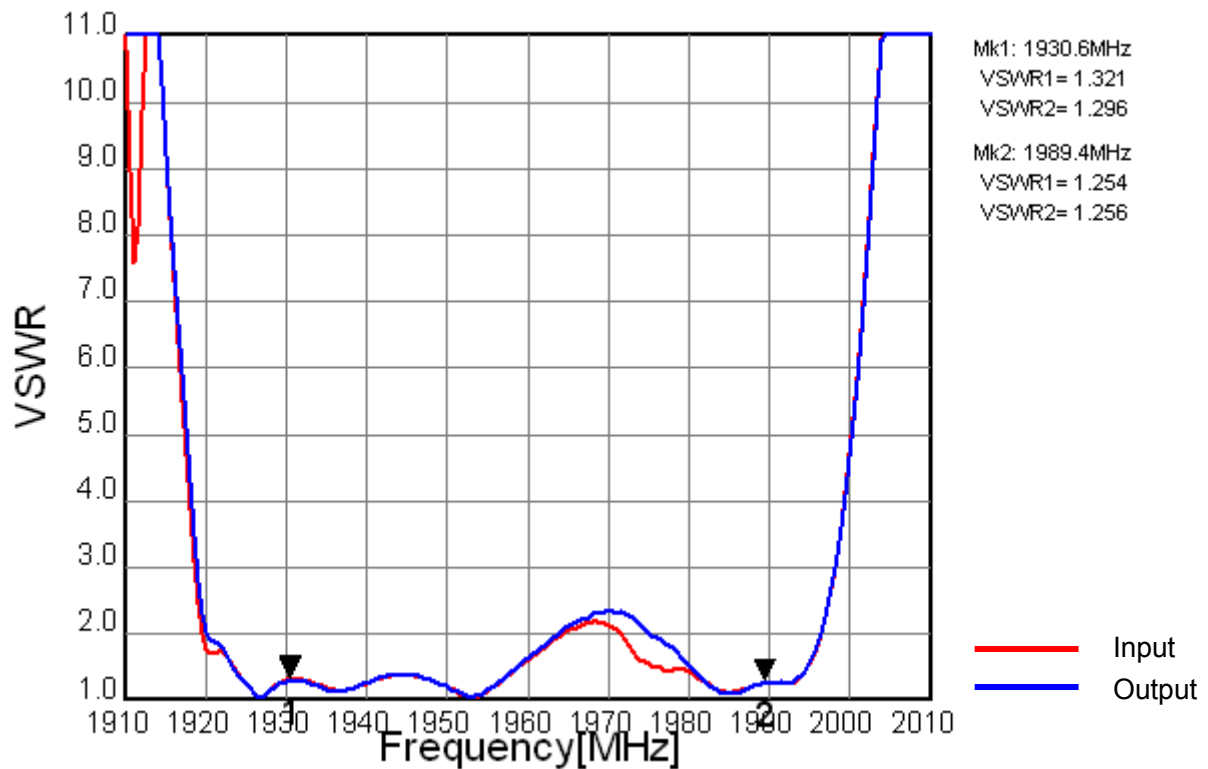


Fig.2 VSWR

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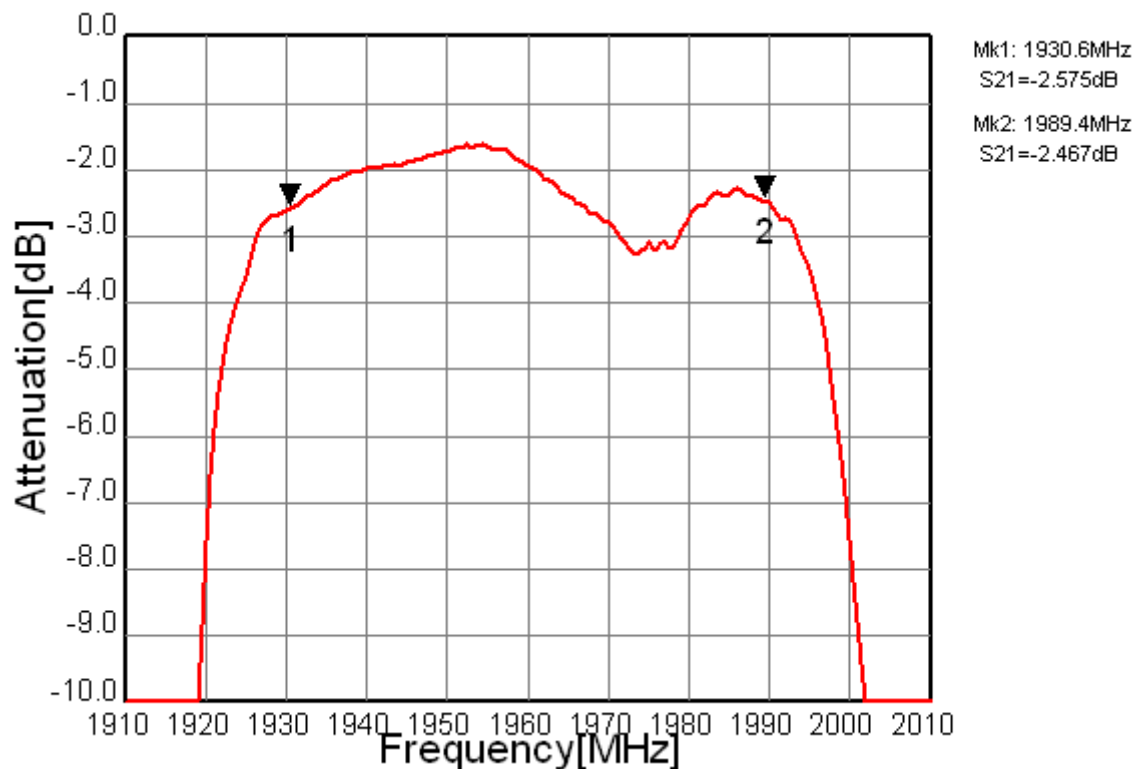


Fig.3 In-band Characteristics

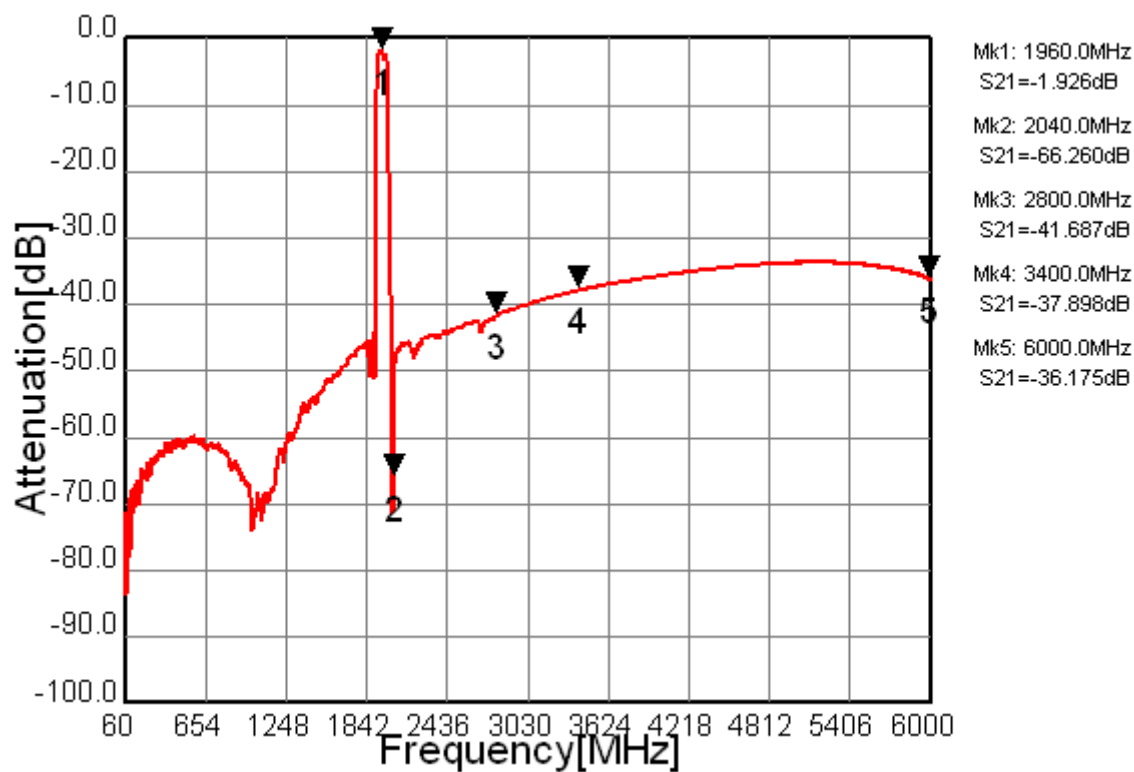


Fig.4 Wide-band Characteristics

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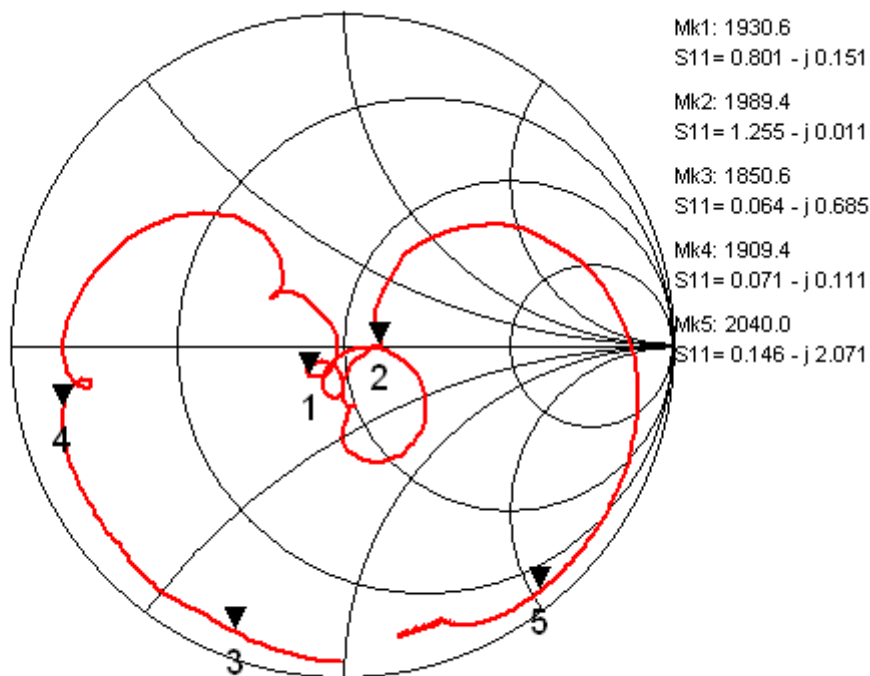


Fig.5 Input Impedance

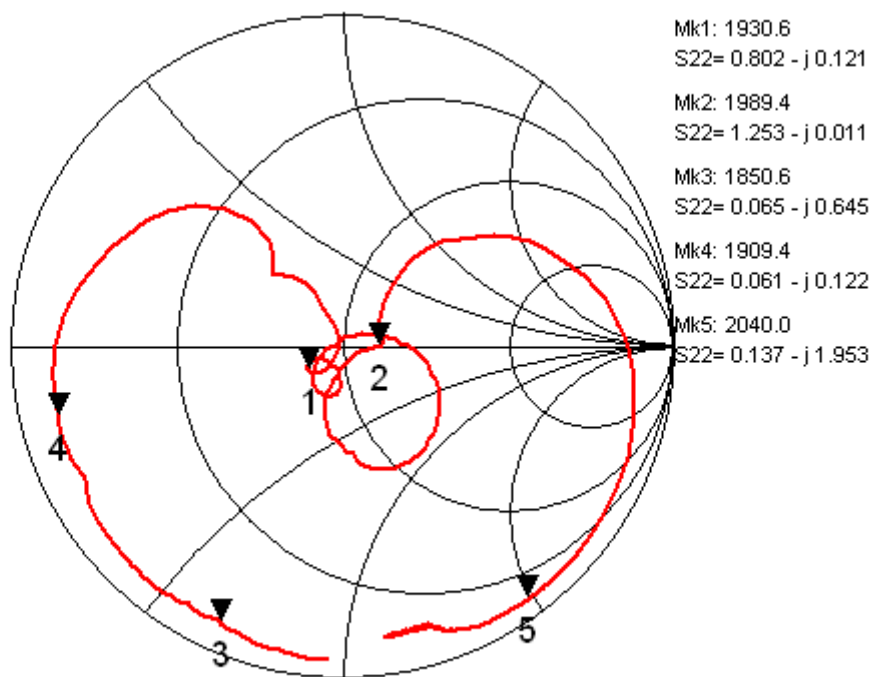


Fig.6 Output Impedance