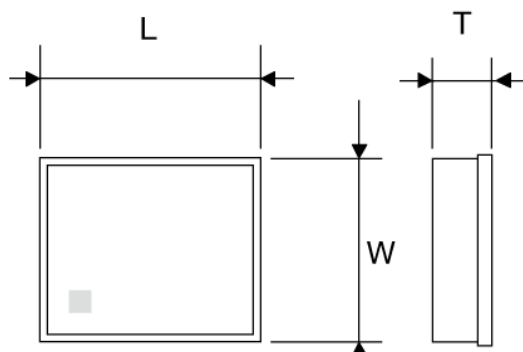


SAW Filter

FAR-F6KA-1G9600-D4MT



■ Features

- Item Summary
W-CDMA / CDMA , Rx, 504
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 3000 , 15000pcs

■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B2
Band(3GPP2)	BC1
Use	WCDMA / CDMA
Transmitting / Receiving	Rx Filter
Insertion Loss	3.4dB
Attenuation	43dB
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	1.4mm +0.1:-0.1
W	1.0mm +0.1:-0.1
T	0.5mm max

2015.06.03

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
 TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
 Before making final selection, please check product specification.



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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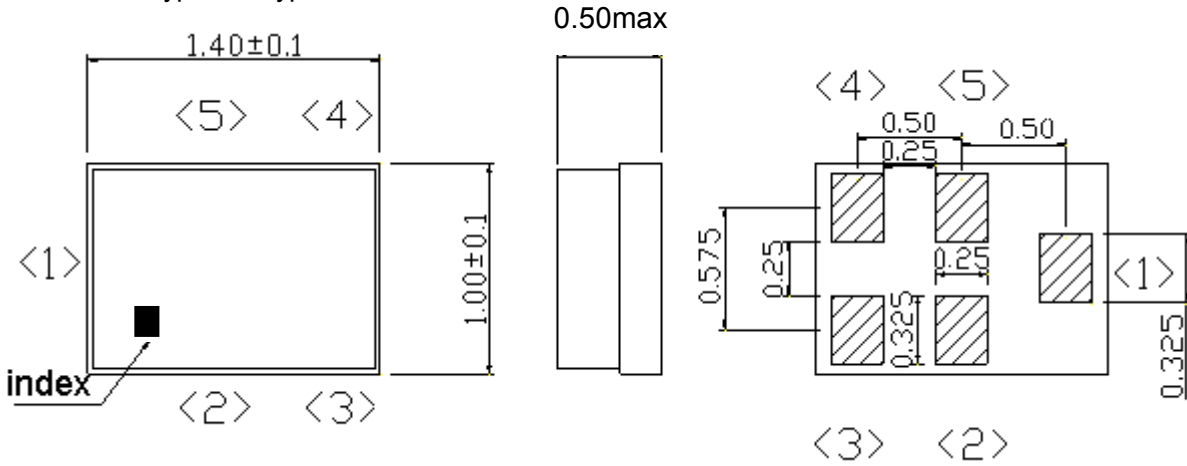
*Pb Free part

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

Dimensions

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

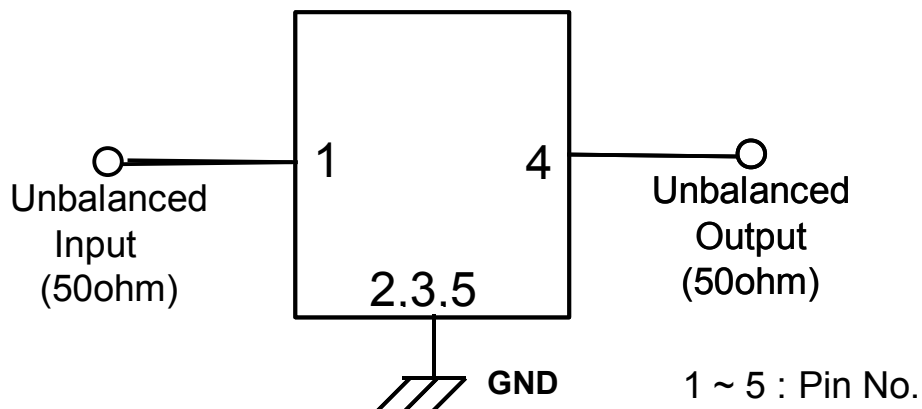


Unit : mm

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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*Pb Free part

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Part Number	FAR-F6KA-1G9600-D4MT	ver.1.2a	Preliminary

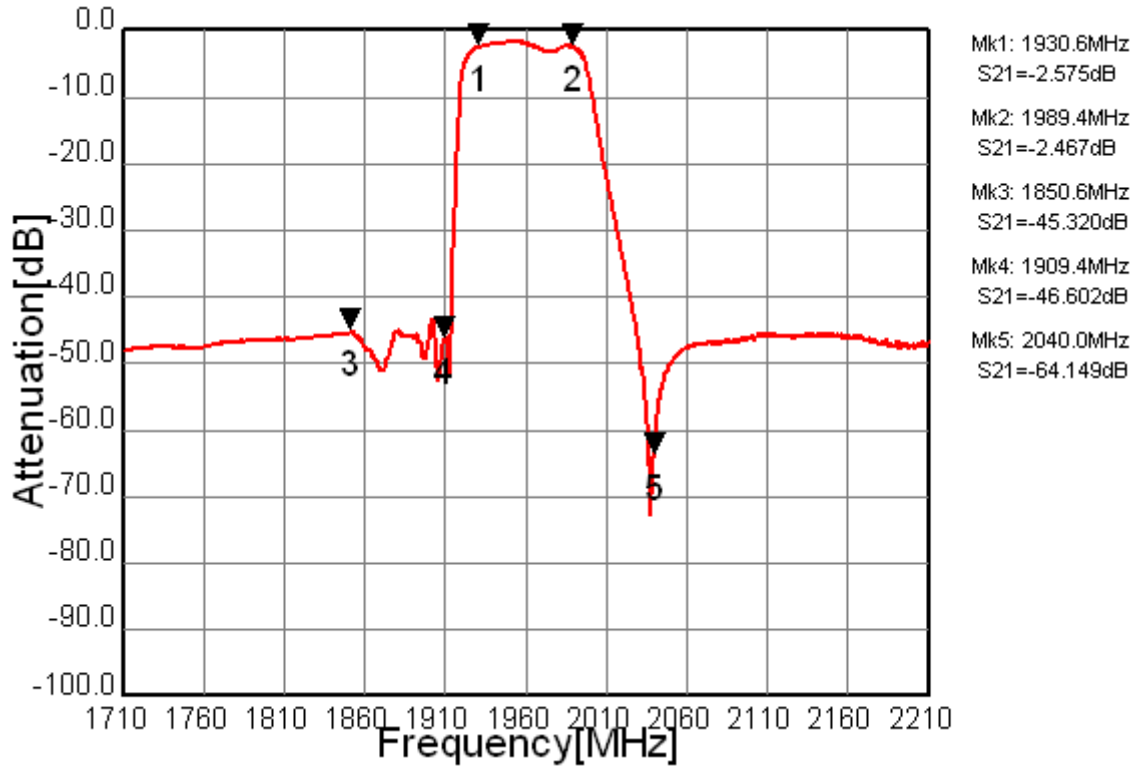


Fig.1 Pass-band Characteristics

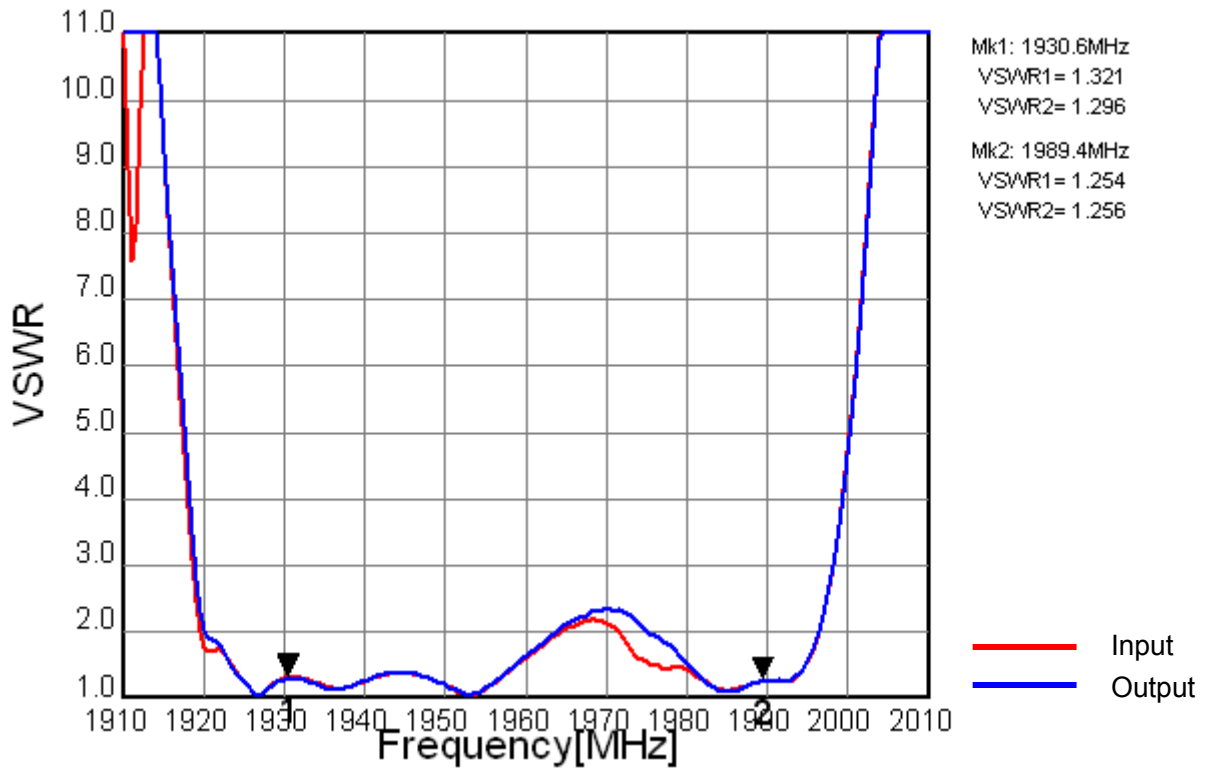


Fig.2 VSWR



MSL1

*Pb Free part

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System	Band II-Rx Filter	DATE	Apr. 20, 2010
Part Number	FAR-F6KA-1G9600-D4MT	ver.1.2a	Preliminary

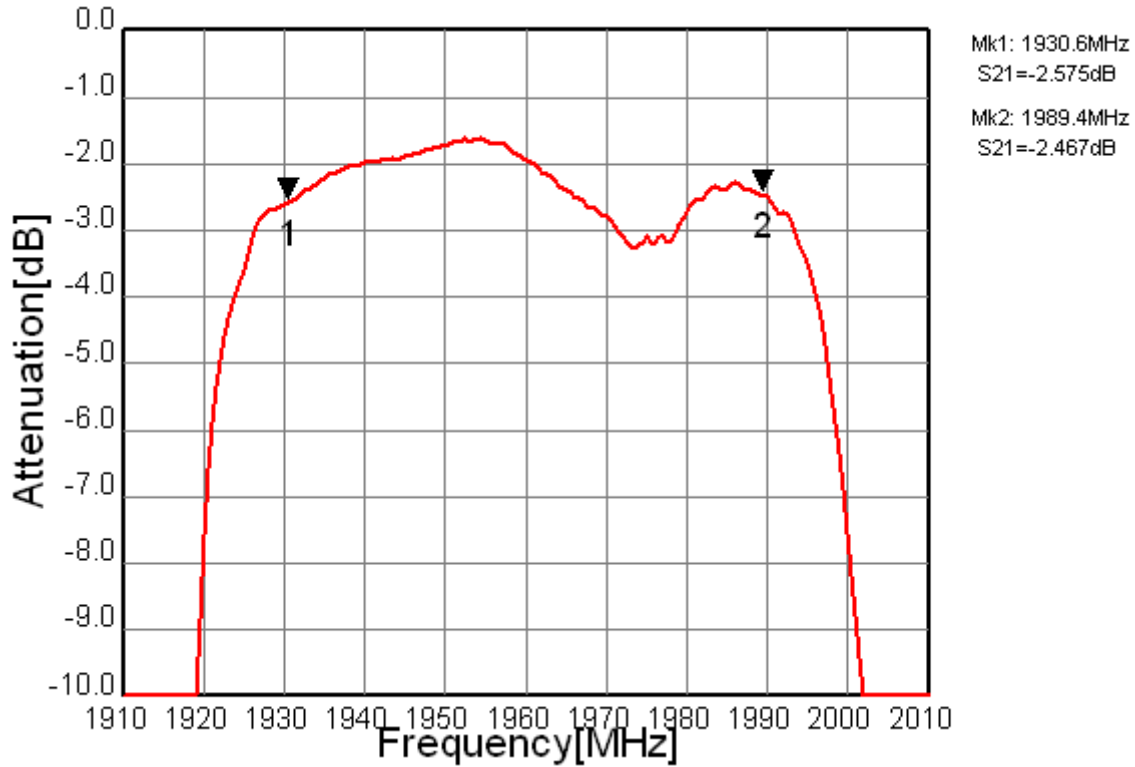


Fig.3 In-band Characteristics

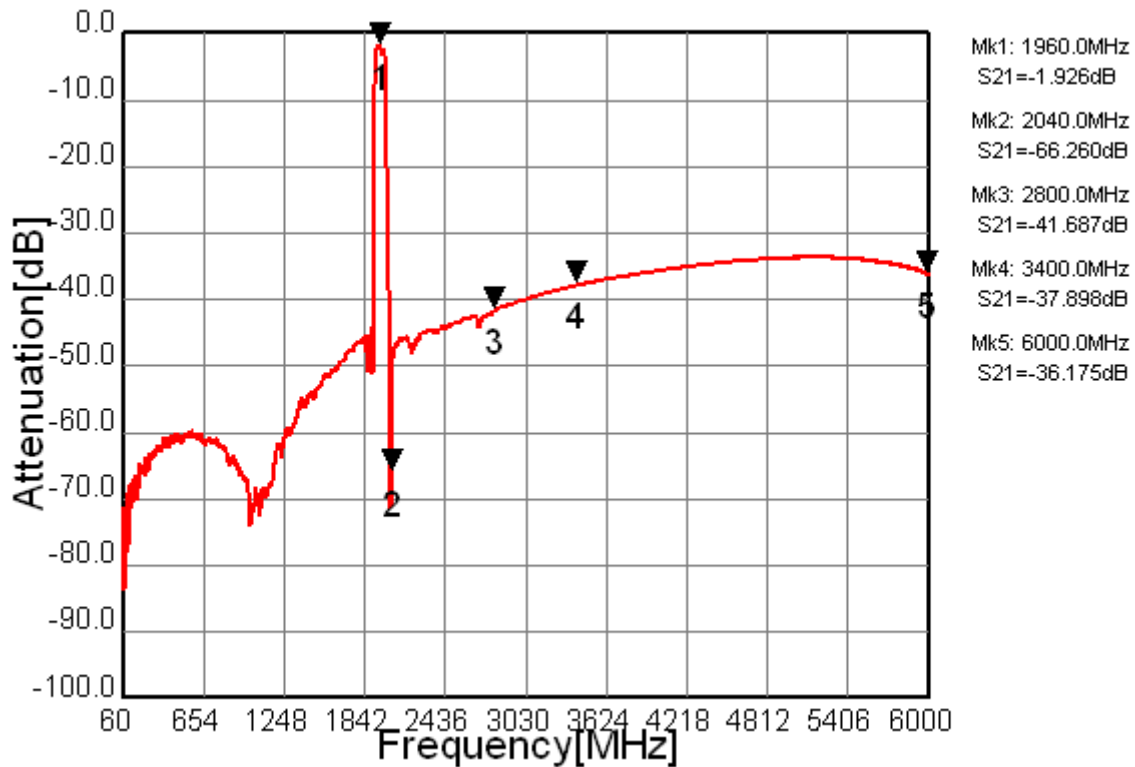


Fig.4 Wide-band Characteristics



MSL1

*Pb Free part

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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

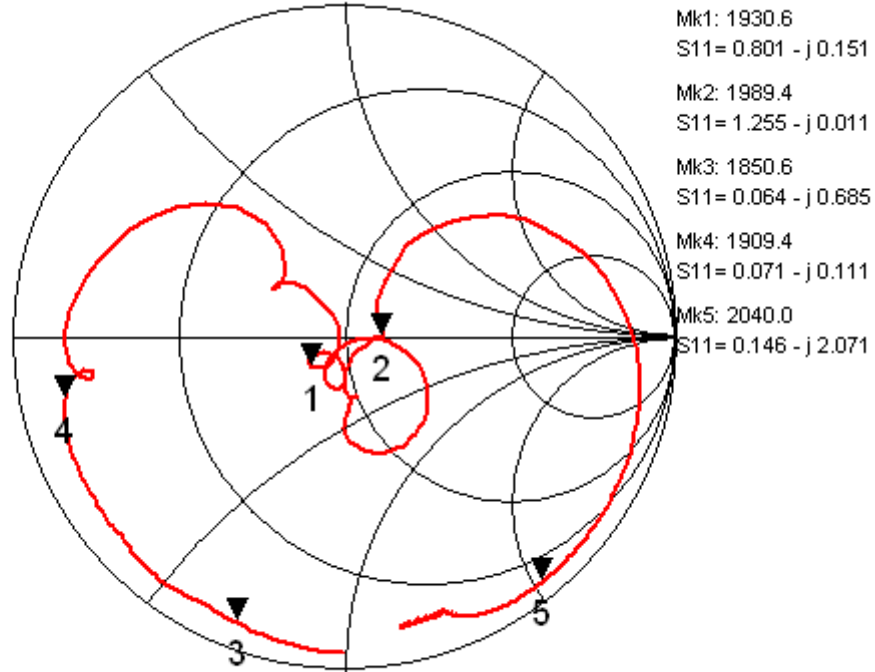


Fig.5 Input Impedance

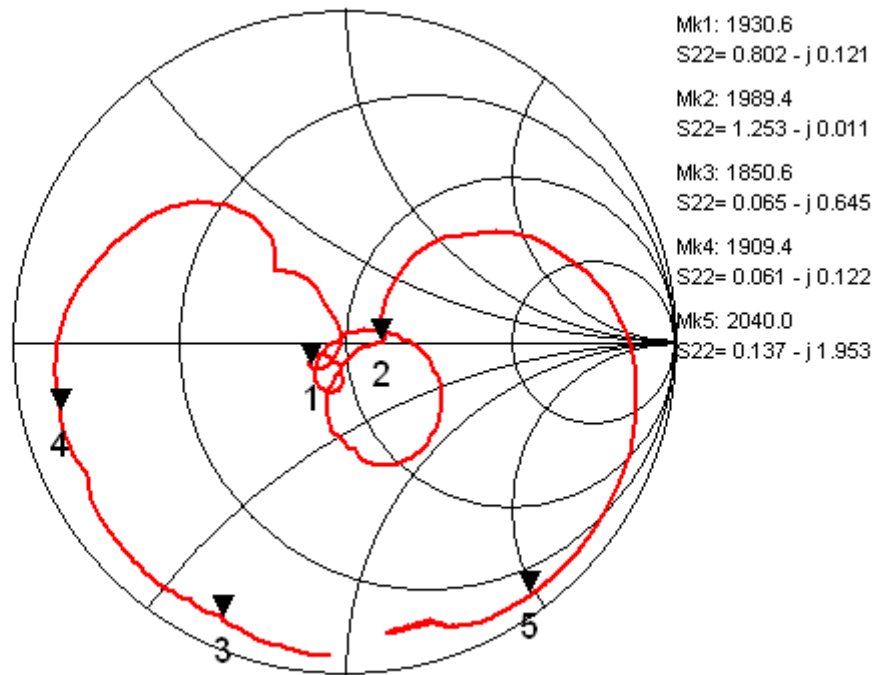


Fig.6 Output Impedance