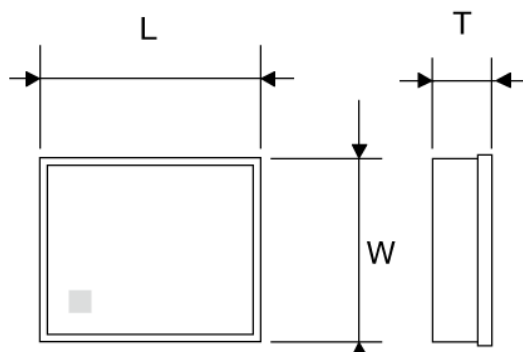


SAW Filter

FAR-F6KA-1G9600-D4CR



■ Features

- Item Summary
GSM1900 , Rx, 504
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 3000 , 15000pcs

■ Products characteristics table

Temperature Range	-30 to +85°C
GSM	1900
Use	GSM
Transmitting / Receiving	Rx Filter
Insertion Loss	2.0dB
Attenuation	18dB
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

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	PCS-Rx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4CR	Version 1.0 c	

Table 1. Electrical specifications

Passband: 1930 ~ 1960 MHz						
Item	Condition	Specification				Remark
		Min.	Typ.	Max.	Unit	
Insertion Loss	1930 - 1990 MHz	-	2.0	2.6	dB	@25°C
		-	-	2.8	dB	
Ripple	1930 - 1990 MHz	-	0.9	1.6	dB	@25°C
		-	-	1.8	dB	
Absolute Attenuation	DC - 1710 MHz	33	39	-	dB	
	1710 - 1830 MHz	28	34	-	dB	
	1830 - 1910 MHz	15	18	-	dB	@25°C
		10	-	-	dB	
	2010 - 2070 MHz	15	21	-	dB	@25°C
		10	-	-	dB	
	2070 - 2150 MHz	24	27	-	dB	
	2150 - 3000 MHz	30	35	-	dB	
3000 - 6000 MHz	15	22	-	dB		
VSWR(Input)	1930 - 1990 MHz	-	2.2	2.6	-	
VSWR(Output)	1930 - 1990 MHz	-	2.3	2.6	-	
Input Impedance	-	50			Ohm	
Output Impedance	-	50			Ohm	
Device Size	-	1.4typ.x1.0typ.x0.5max.			mm	
Operating temp.	-	-30 ~ +85			°C	



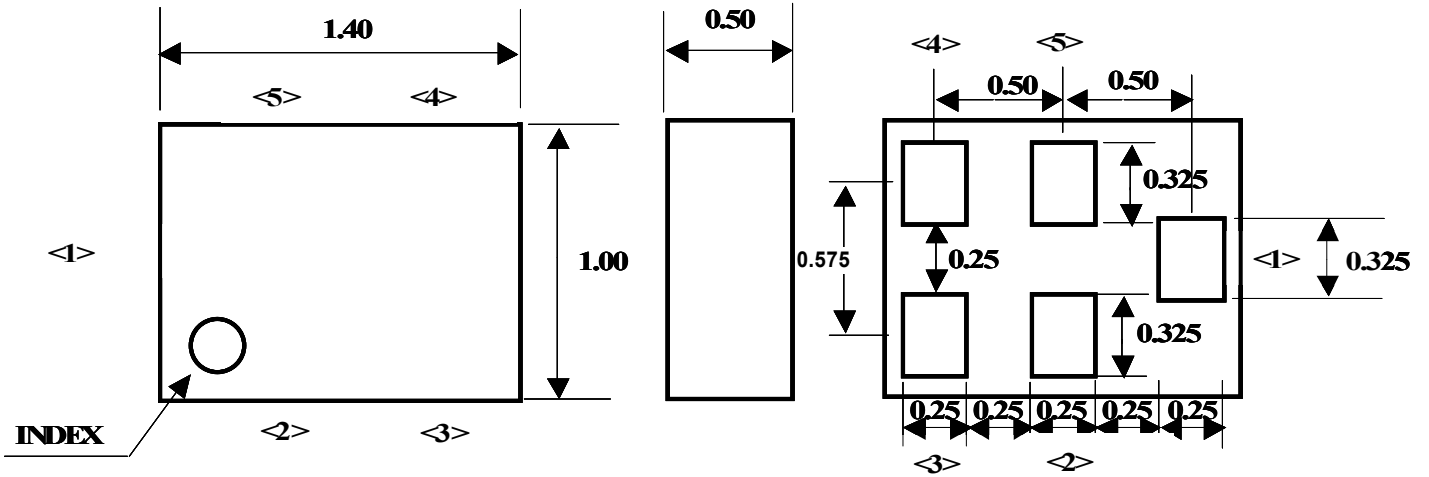
MSL1

* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	PCS-Rx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4CR	Version 1.0 c	

Dimension

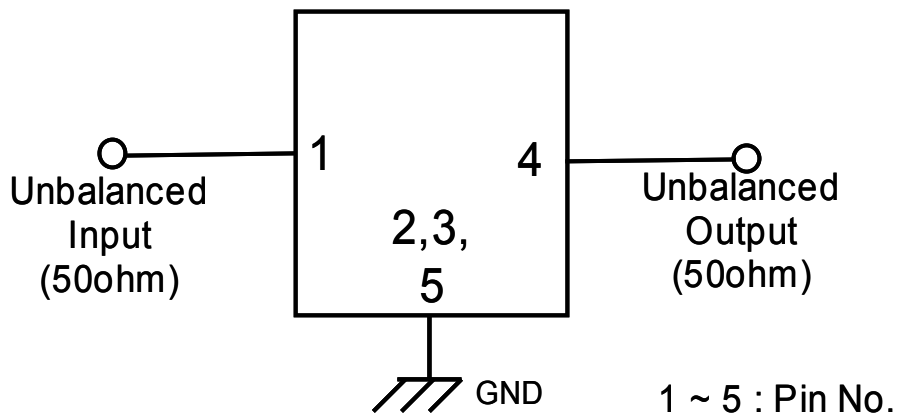
Device size: 1.4mmtyp. x 1.0mmtyp. x 0.5mmmax.



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





MSL1

* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	PCS-Rx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4CR	Version 1.0 c	

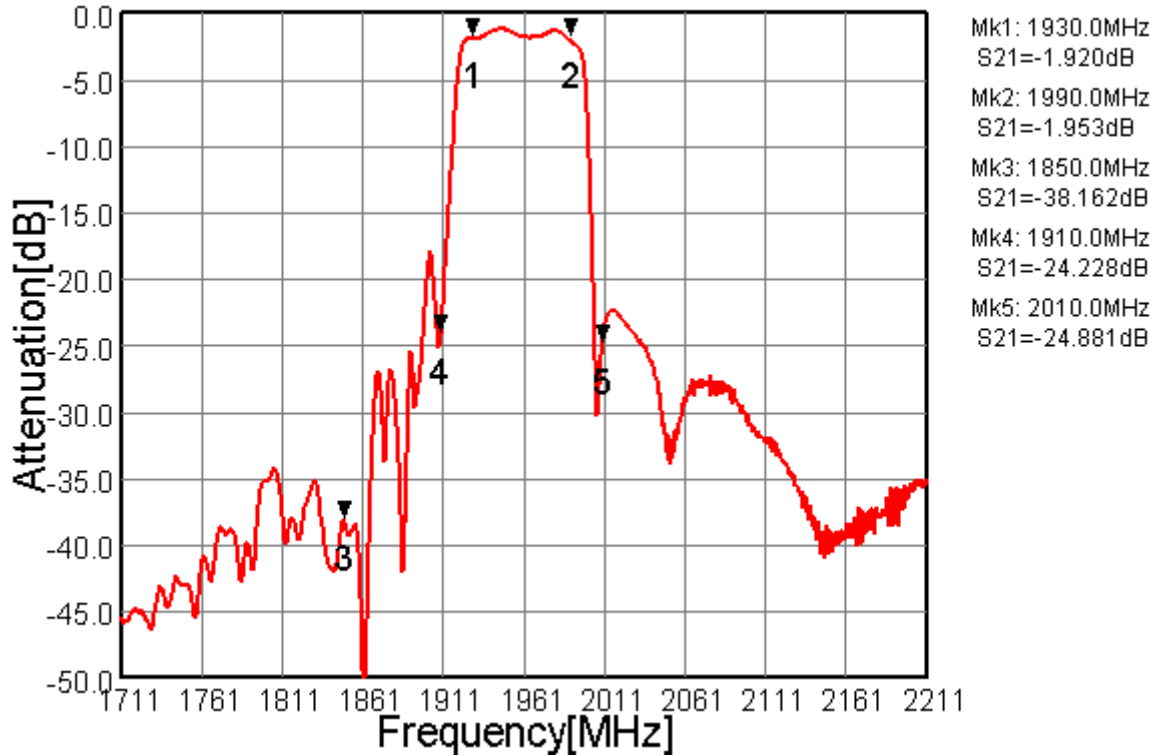


Fig.1 Pass-band Characteristics

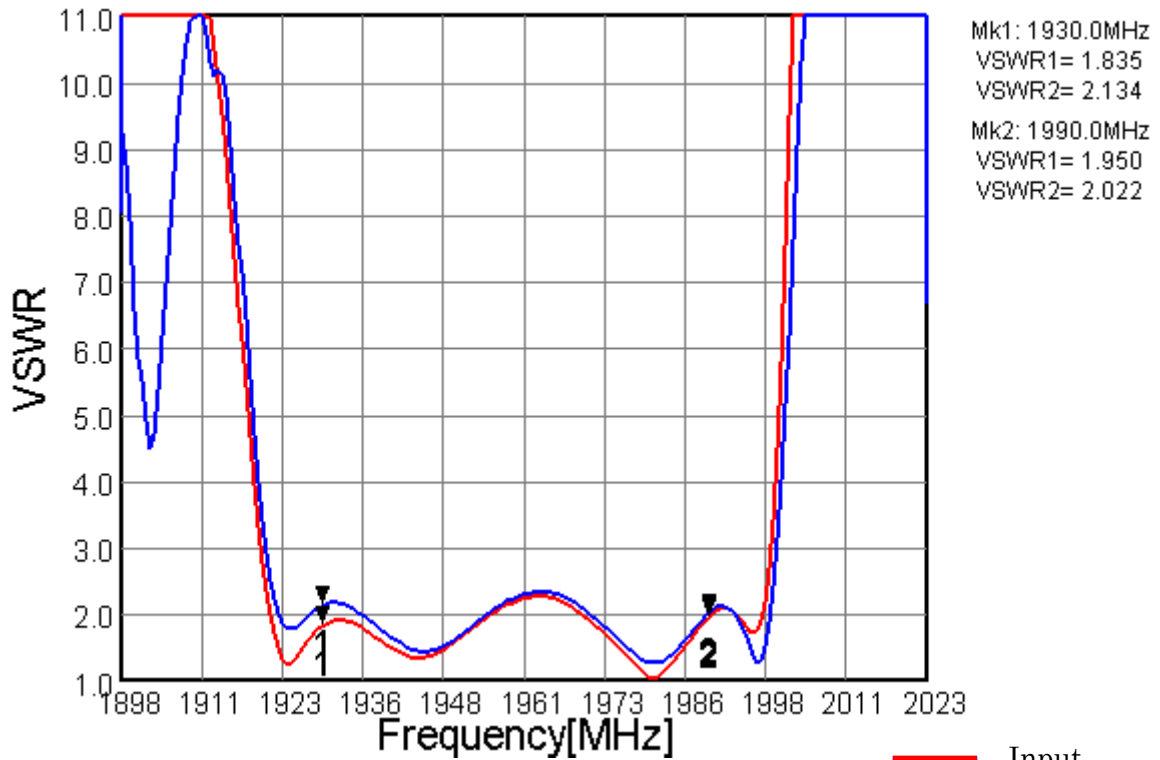


Fig.2 VSWR

— Input
— Output



MSL1

* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	PCS-Rx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4CR	Version 1.0 c	

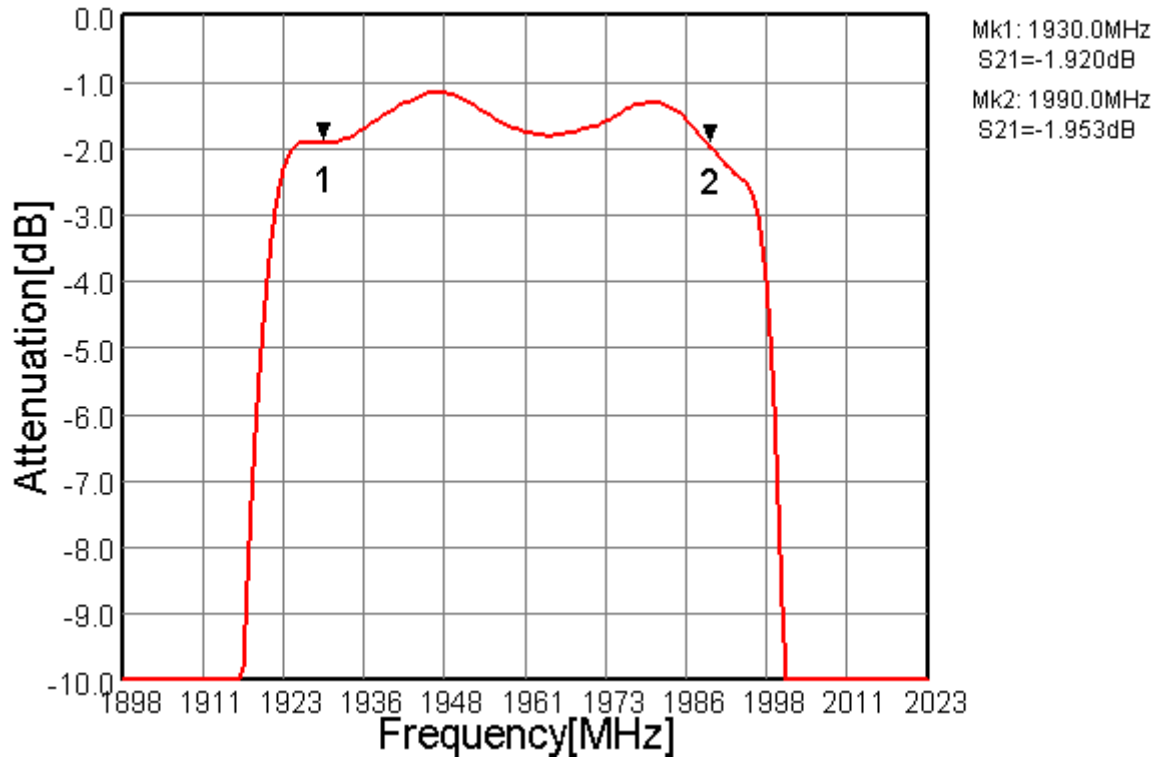


Fig.3 In-band Characteristics

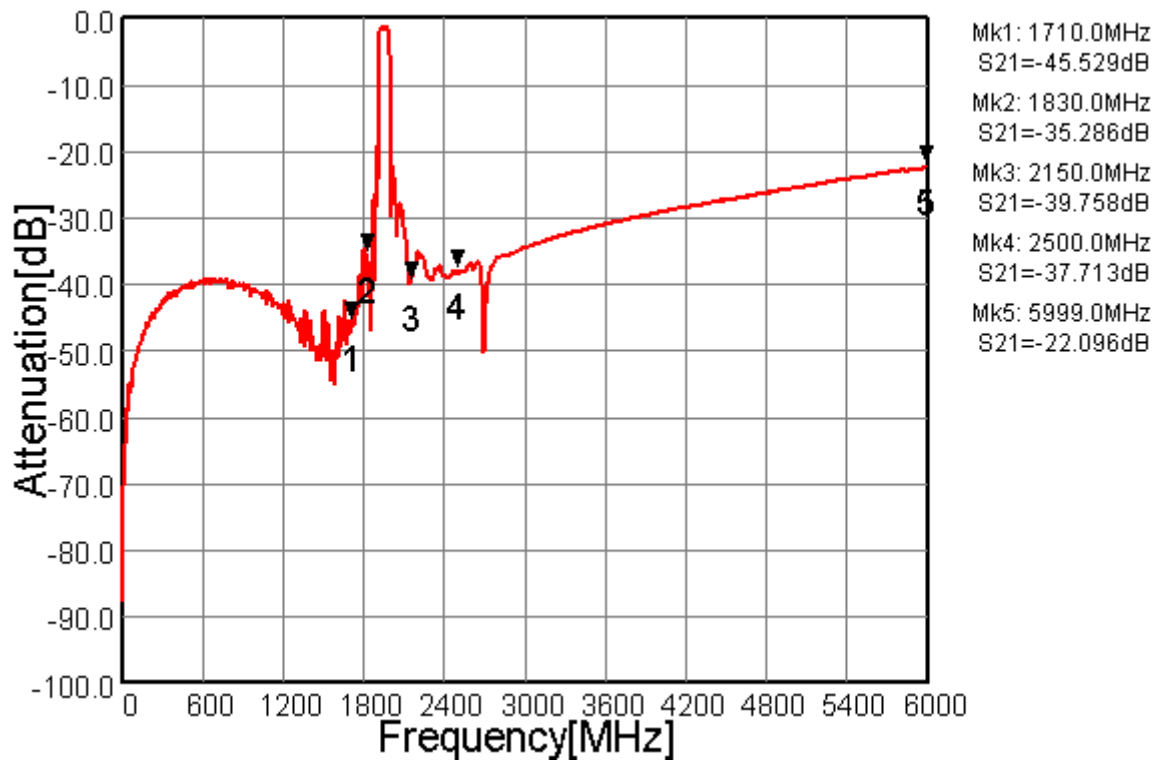


Fig.4 Wide-band Characteristics



MSL1

* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	PCS-Rx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4CR	Version 1.0 c	

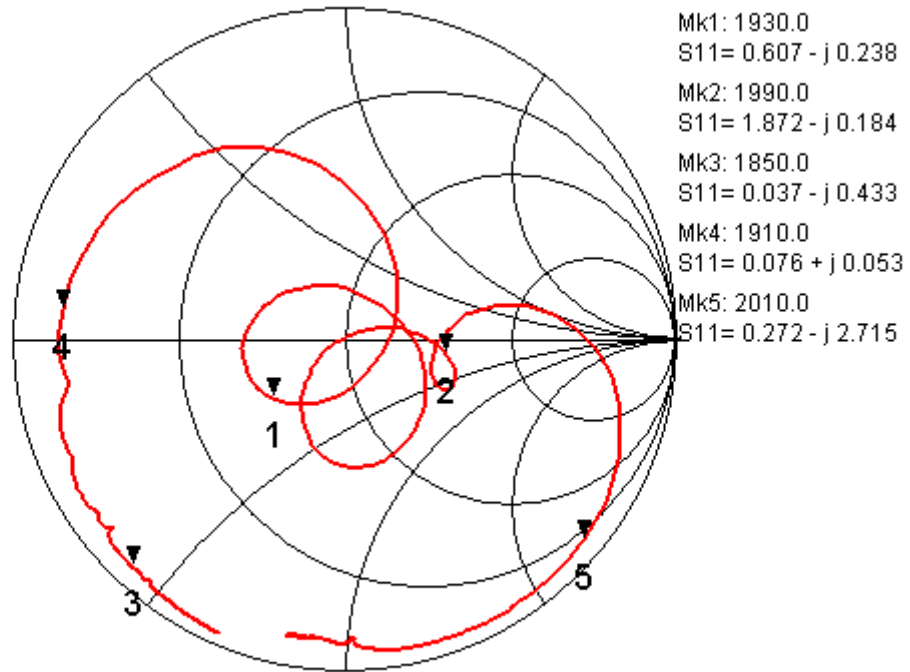


Fig.5 Input Impedance

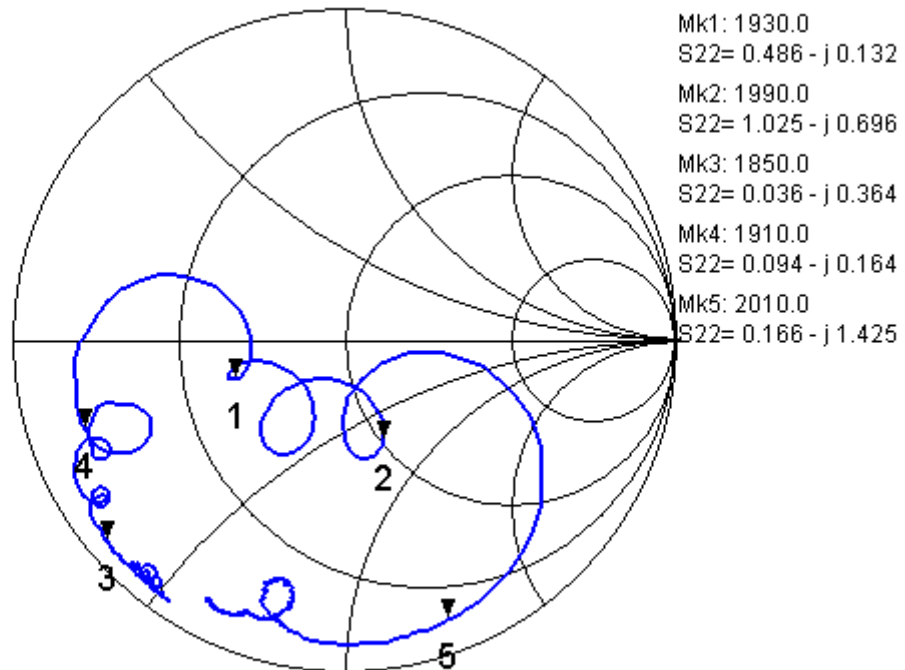


Fig.6 Output Impedance