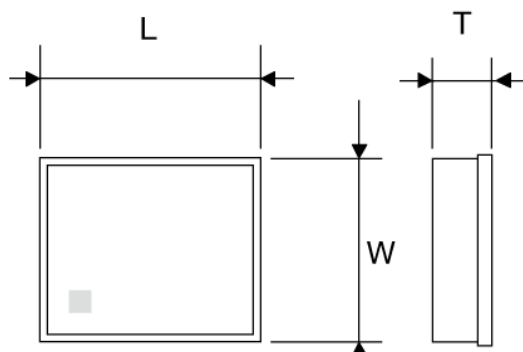


## SAW Filter

## FAR-F6KA-1G7400-D4DE



## ■ Features

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

## ■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B4
Band(3GPP2)	BC15
Use	WCDMA / CDMA
Transmitting / Receiving	Tx Filter
Insertion Loss	1.5dB
Attenuation	44dB
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	<b>Standard specification</b>	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	W-CDMA IV (AWS) Tx	Date	March 31, 2010
Part Number	FAR-F6KA-1G7400-D4DE	Version 2.0e	

**Table 1. Electrical specifications**

Passband: 1710 ~ 1770 MHz						
Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1710~1770 MHz	-	1.5	2.7	dB	
Ripple	1710~1770 MHz	-	0.7	1.8	dB	
Absolute attenuation	800~1355 MHz	30	37	-	dB	
	1574~1577MHz	30	52	-	dB	
	1600~1680MHz	12	22	-	dB	
	1805~1880 MHz	17	24	-	dB	
	1930~1990 MHz	30	36	-	dB	
	2110~2170 MHz	30	44	-	dB	
VSWR (Input)	1710~1770 MHz	-	2.0	2.5	-	
VSWR (Output)	1710~1770 MHz	-	2.0	2.5	-	
Input Impedance	Unbalanced	50			Ohm	
Output Impedance	Unbalanced	50			Ohm	
Operating Temperature		-30 ~ +85			°C	
Device size		1.4typ.x1.0typ.x0.5max			mm	



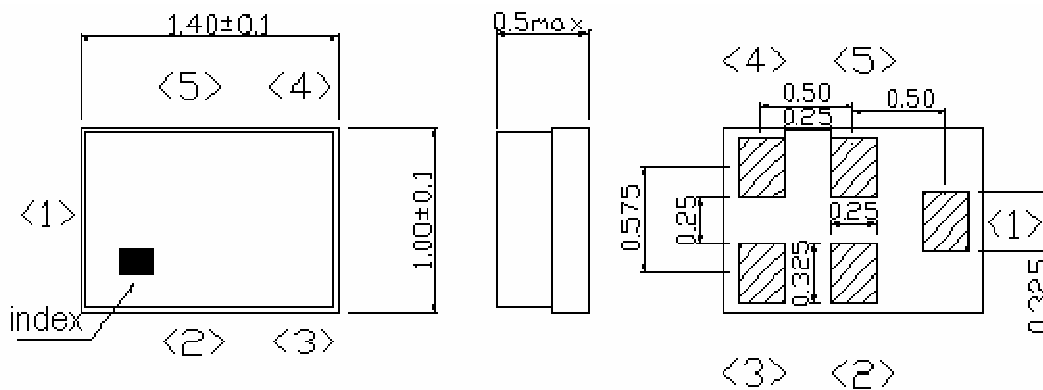
MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	W-CDMA IV (AWS) Tx	Date	March 31, 2010
Part Number	FAR-F6KA-1G7400-D4DE	Version 2.0e	

### Dimension

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

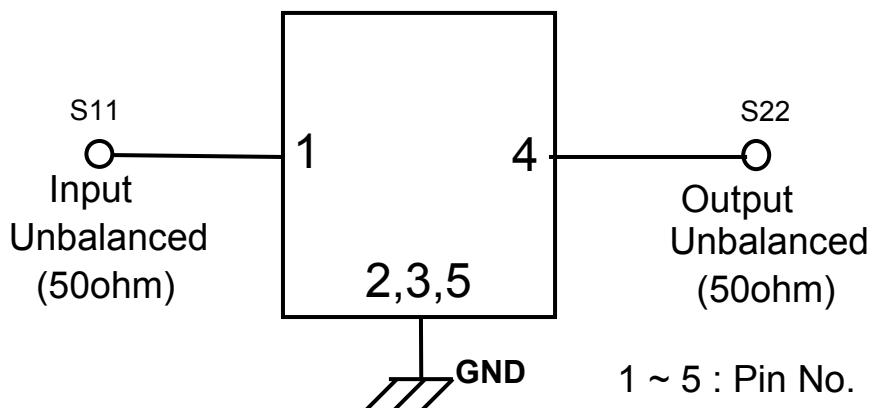


Unit: mm

### 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





MSL1

\* Pb Free Part

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System	W-CDMA IV (AWS) Tx	Date	March 31, 2010
Part Number	FAR-F6KA-1G7400-D4DE	Version 2.0e	

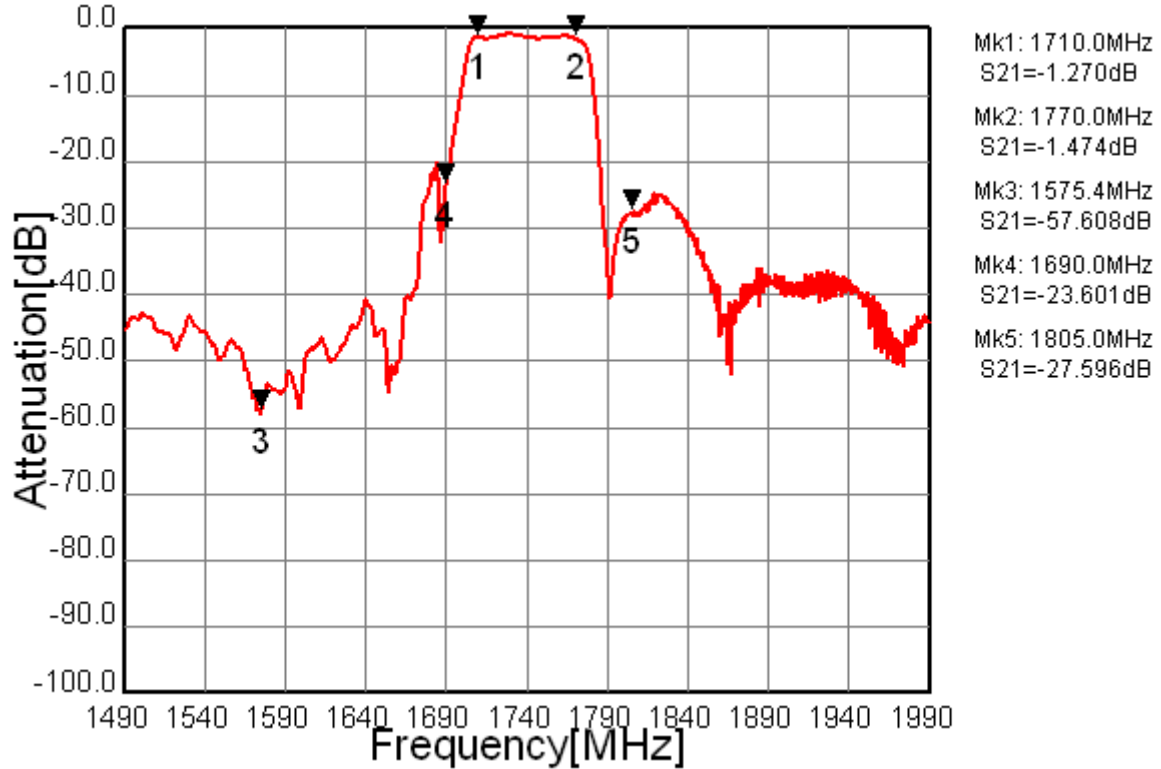


Fig.1 Pass-band Characteristics

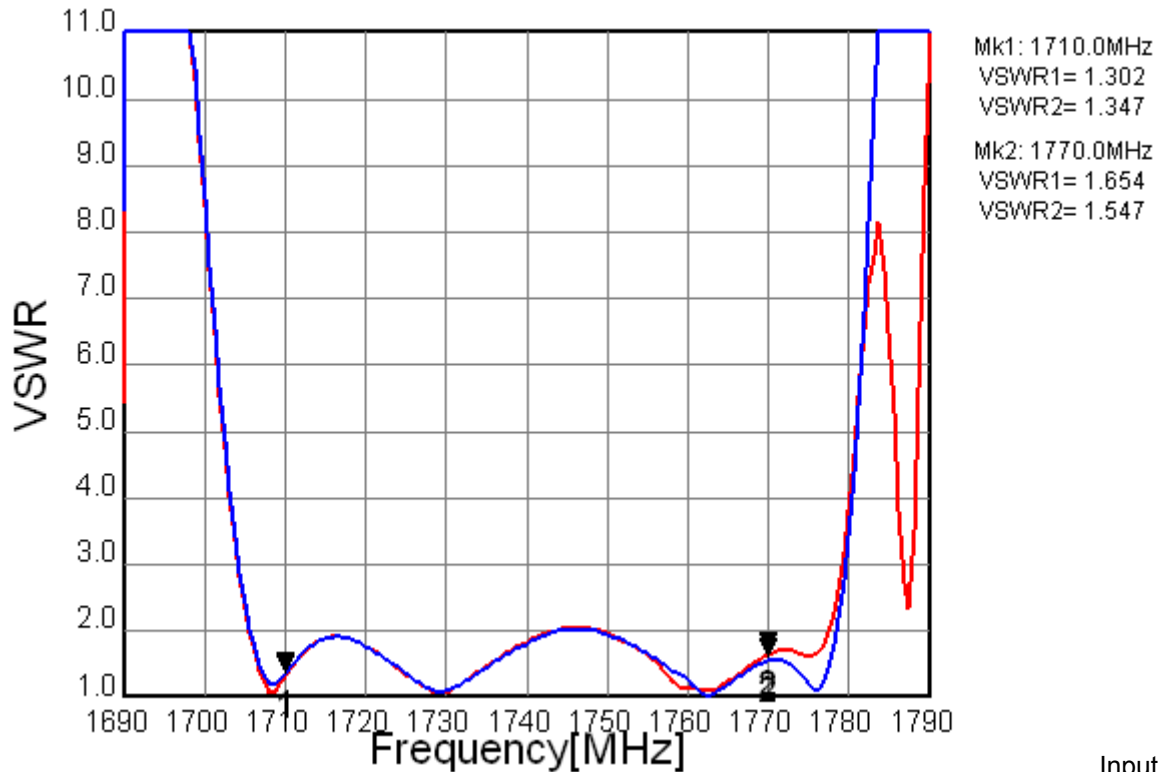


Fig.2 VSWR

— Input  
— Output



MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	W-CDMA IV (AWS) Tx	Date	March 31, 2010
Part Number	FAR-F6KA-1G7400-D4DE	Version 2.0e	

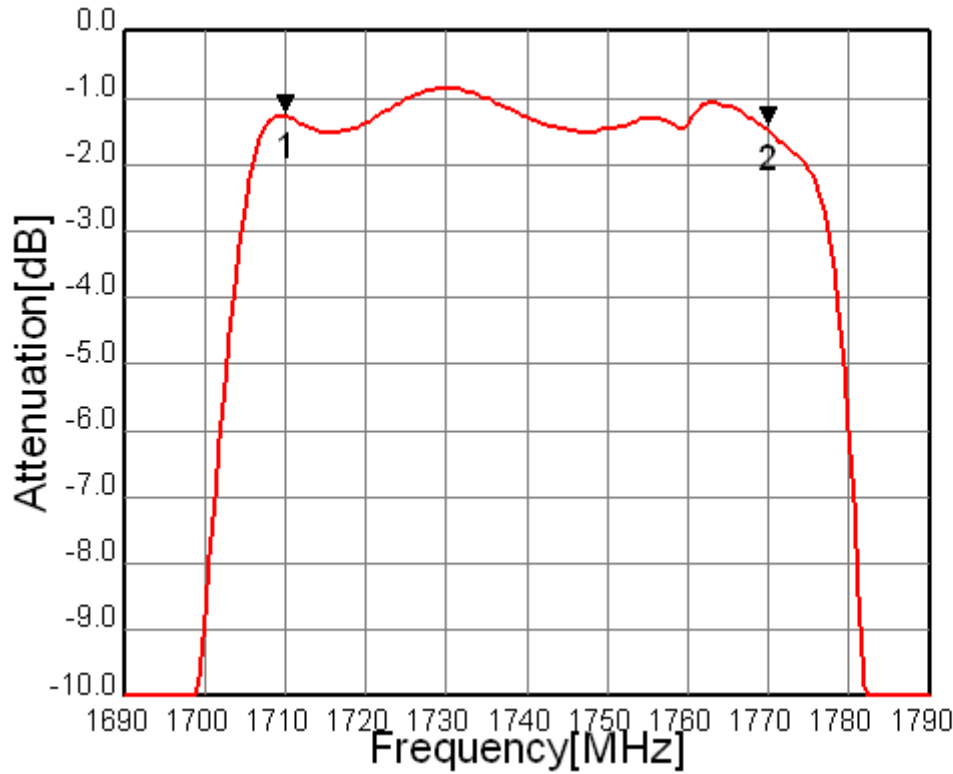


Fig.3 In-band Characteristics

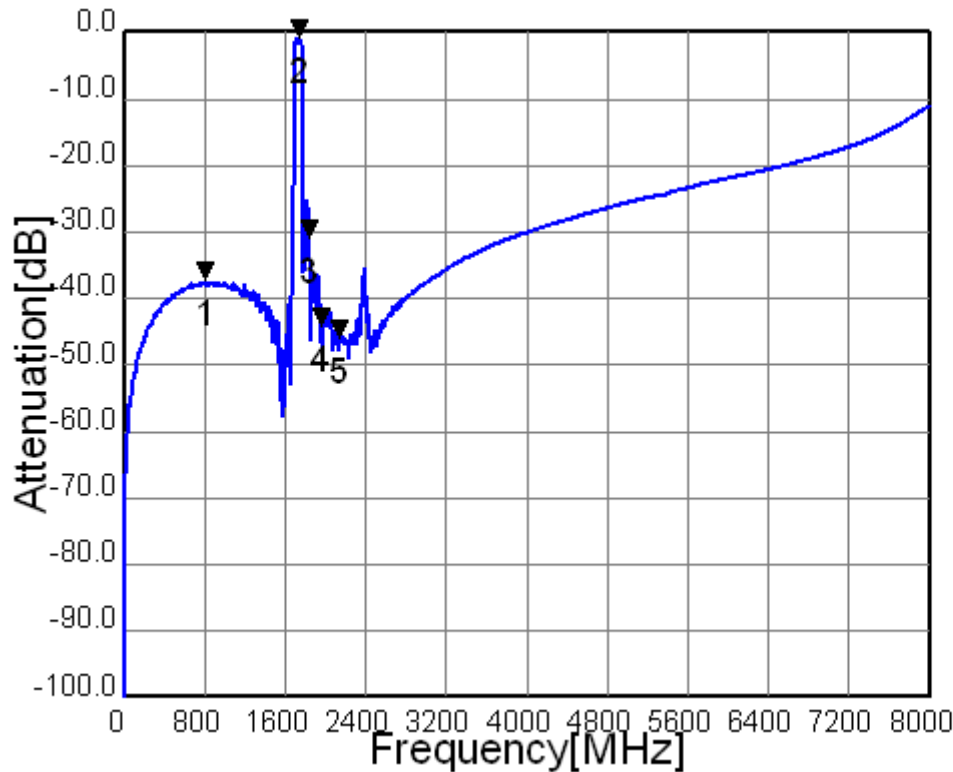


Fig.4 Wide-band Characteristics



MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	W-CDMA IV (AWS) Tx	Date	March 31, 2010
Part Number	FAR-F6KA-1G7400-D4DE	Version 2.0e	

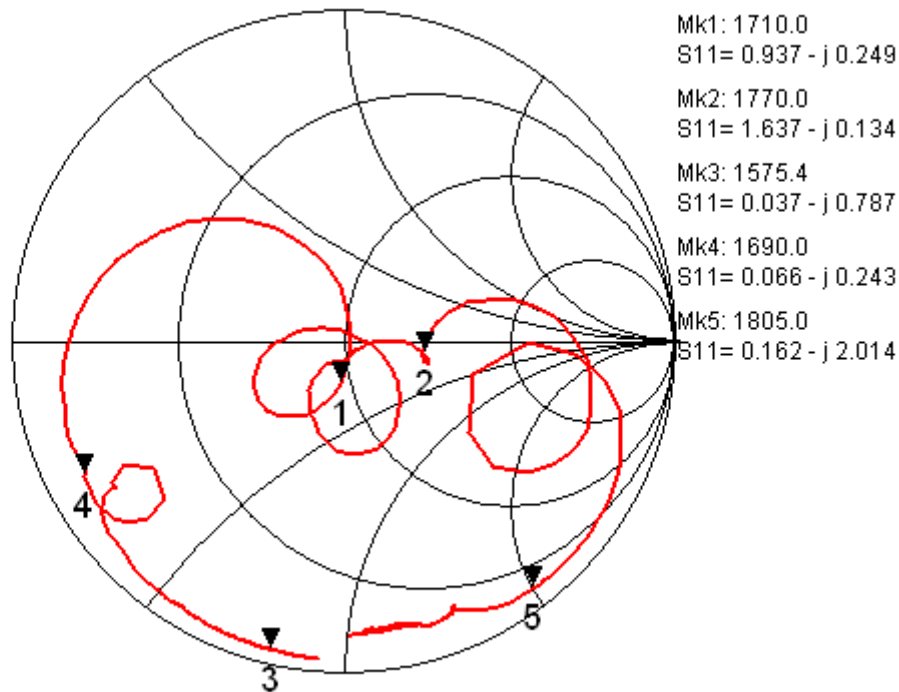


Fig.5 Input Impedance

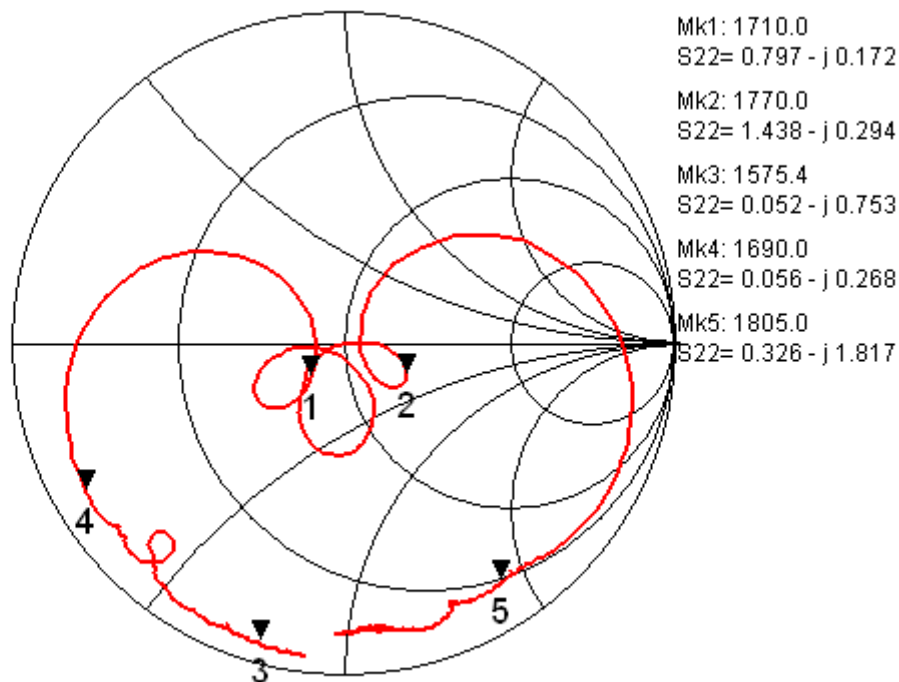


Fig.6 Output Impedance