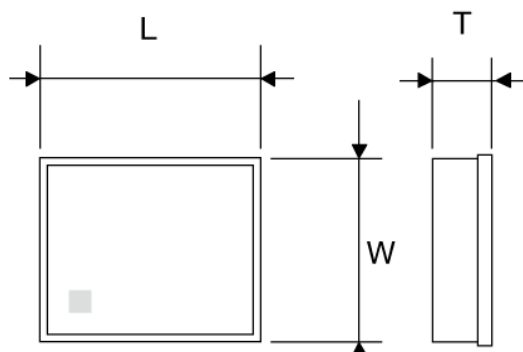


## SAW Filter

## FAR-F6QA-1G5754-H2JC



## ■ Features

- Item Summary  
GPS, 403
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 5000 , 15000pcs

## ■ Products characteristics table

Temperature Range	-30 to +85°C
Use	GPS
Insertion Loss	1.11dB
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

## ■ External Dimensions

L	1.1mm +0.1:-0.1
W	0.9mm +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 specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	GPS	Date	March 31, 2010
Part Number	FAR-F6QA-1G5754-H2JC	Version 2.0b	

Table 1 Electrical Specification

Passband : 1574.42 ~ 1576.42 MHz						
Parameter	Frequency	Value			Unit	Remark
		Min.	Typ.	Max.		
Insertion loss	1574.42 ~ 1576.42	-	1.11	1.35	dB(*1)	
Ripple in passband	1574.42 ~ 1576.42	-	0.05	0.5	dB	
Absolute attenuation	DC ~ 1476	40	43	-	dB	
	1476 ~ 1526	33	36	-	dB	
	1625~1676	48	55	-	dB	
	1710 ~ 1785	45	50	-	dB	
	1850 ~ 1910	45	50	-	dB	
	1910 ~ 1980	45	50	-	dB	
	1980 ~ 2500	37	44	-	dB	
	2500 ~ 3000	30	37	-	dB	
	3000 ~ 6000	15	22	-	dB	
VSWR Input	1574.42 ~ 1576.42	-	1.2	1.7	-	
VSWR Outout	1574.42 ~ 1576.42	-	1.1	1.7	-	
Input Impedance		50			Ohm	
Output Impedance		50			ohm	
Operating Temperature		-30 to +85			°C	
Device size (L x W x H)		1.1typ. x 0.9typ. x 0.5 max.			mm	

(\*1) Specification of insertion loss includes loss that comes from the test board.



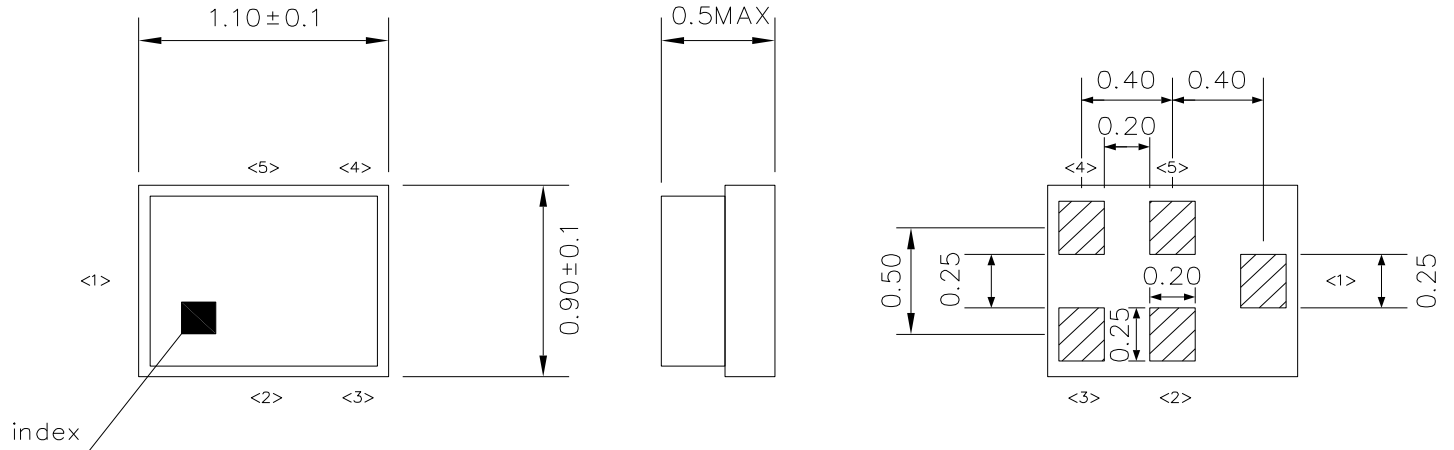
MSL1

\* Pb Free Part

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	GPS	Date	March 31, 2010
Part Number	FAR-F6QA-1G5754-H2JC	Version 2.0b	

### Dimension

Device size: 1.1typ. x 0.9typ. x 0.5max.

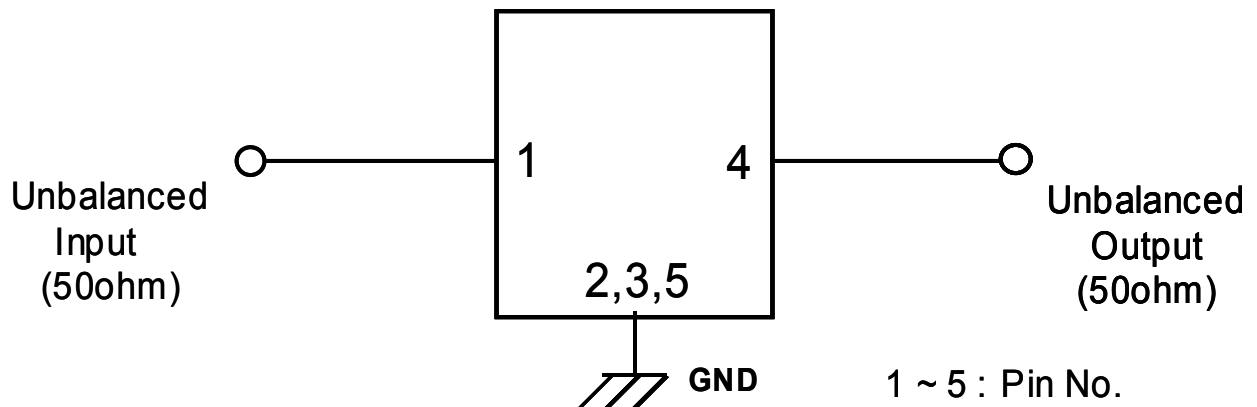


Unit: mm

### 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

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	GPS	Date	March 31, 2010
Part Number	FAR-F6QA-1G5754-H2JC	Version 2.0b	

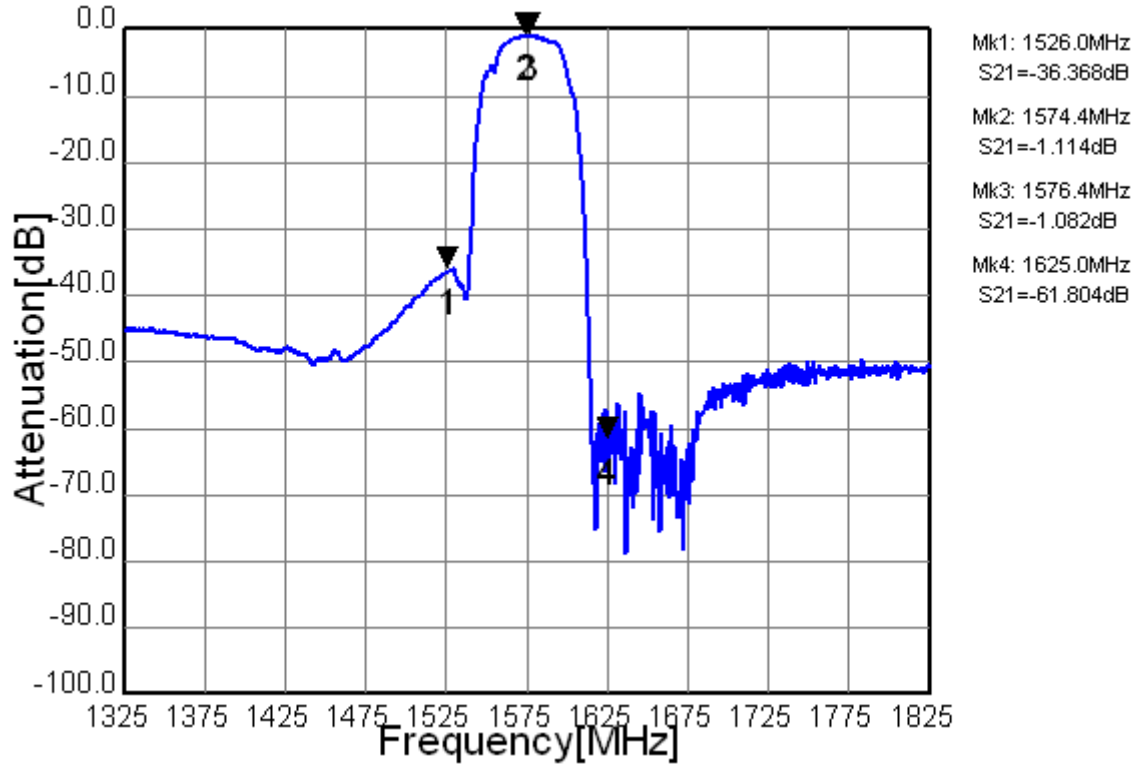


Fig.1 Pass-band Characteristics

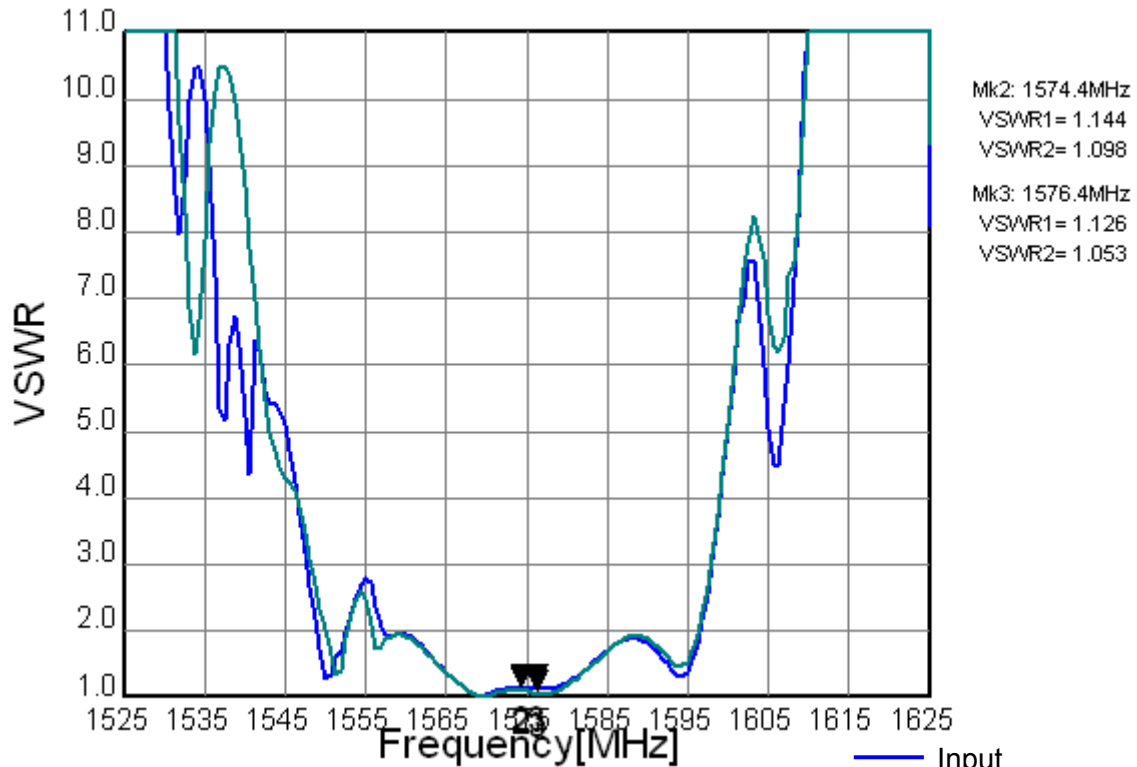


Fig.2 VSWR



MSL1

\* Pb Free Part

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	GPS	Date	March 31, 2010
Part Number	FAR-F6QA-1G5754-H2JC	Version 2.0b	

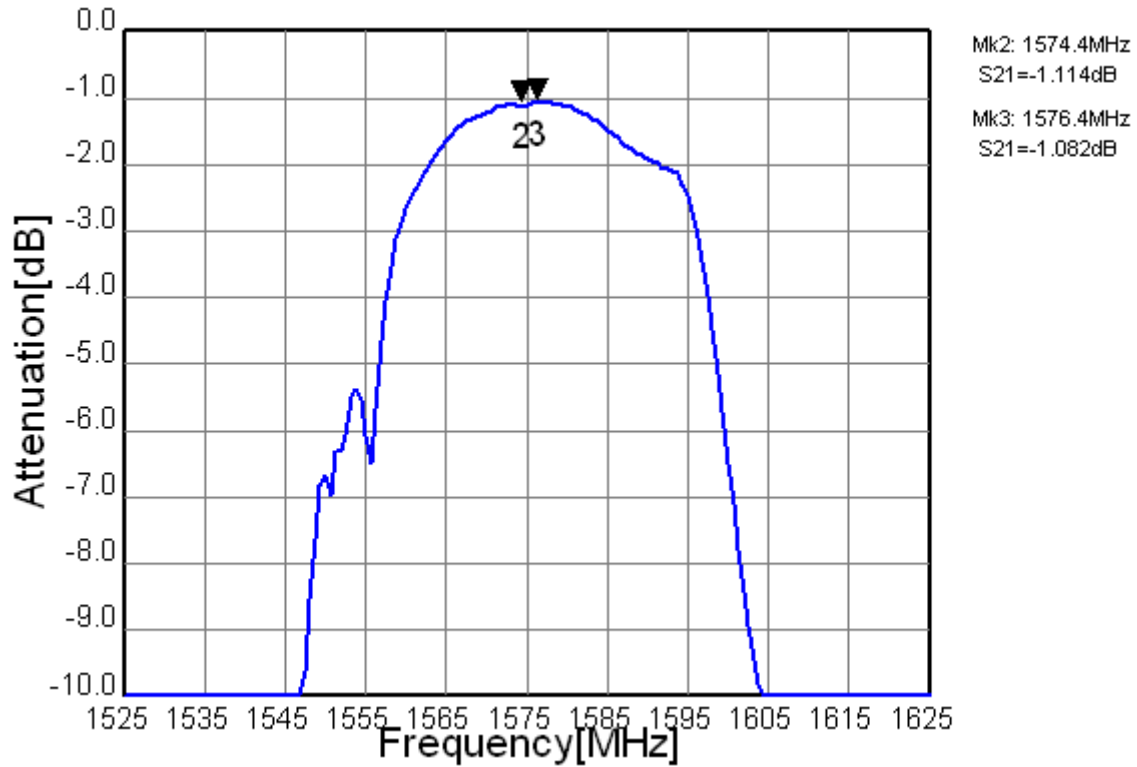


Fig.3 In-band Characteristics

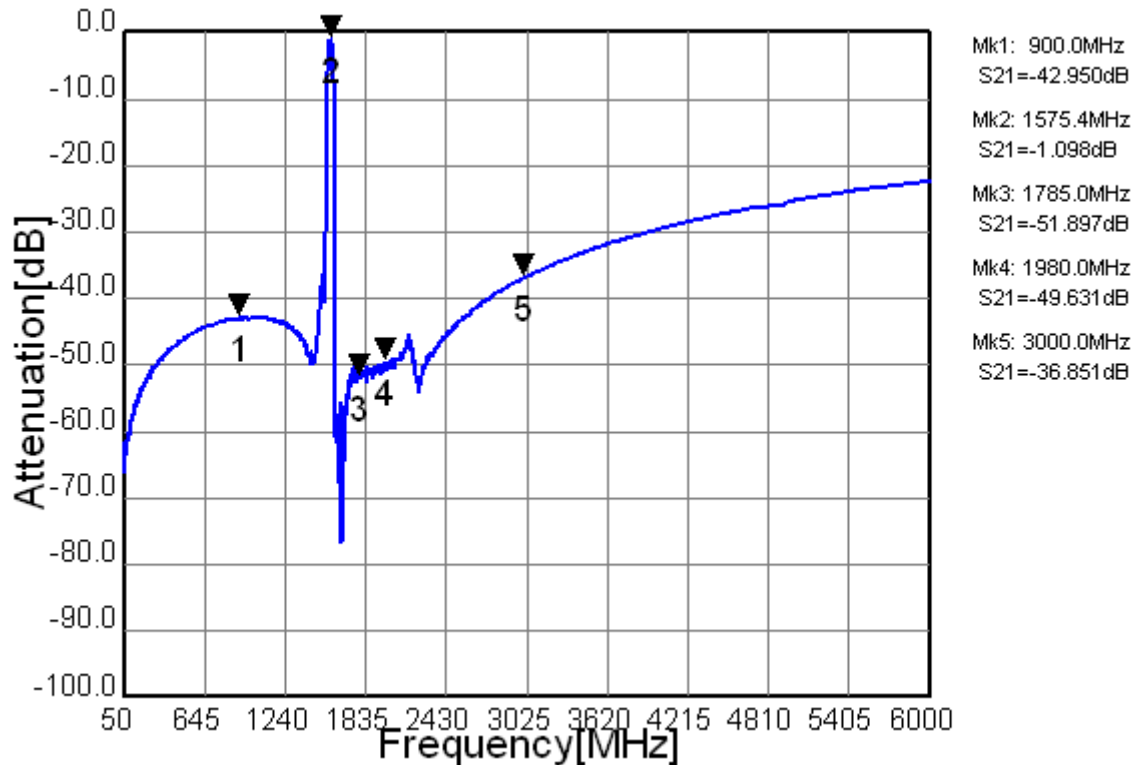


Fig.4 Wide-band Characteristics



MSL1

\* Pb Free Part

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	GPS	Date	March 31, 2010
Part Number	FAR-F6QA-1G5754-H2JC	Version 2.0b	

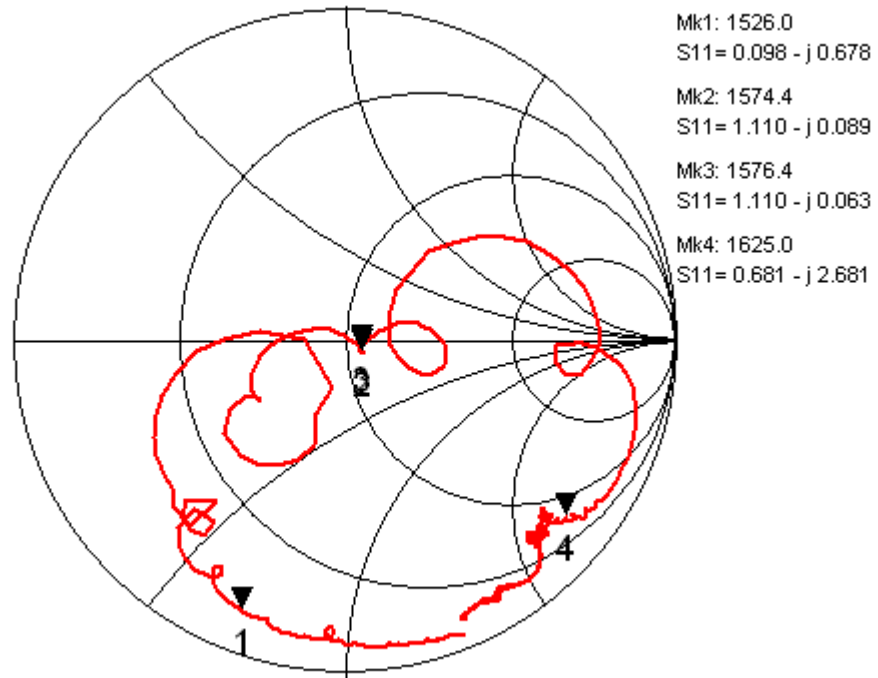


Fig.5 Input impedance

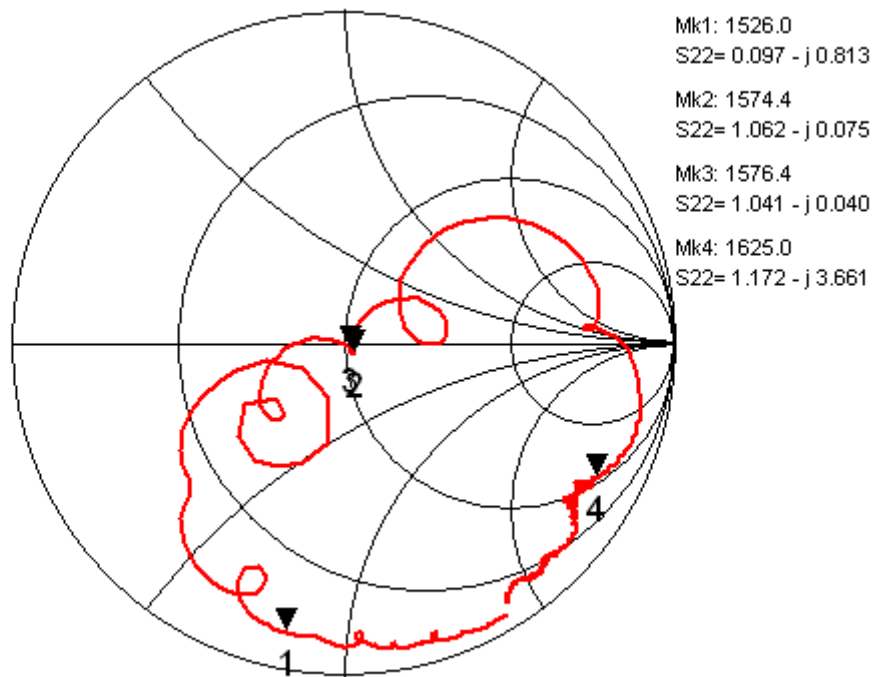


Fig.6 Output impedance