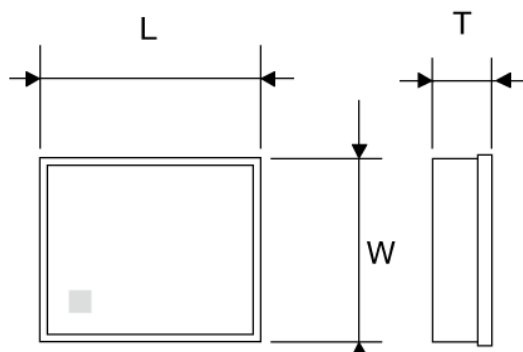


## SAW Filter

## FAR-F5KA-710M00-D4VQ



## ■ Features

- Item Summary  
LTE, 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)	B17
Use	WCDMA / LTE
Transmitting / Receiving	Tx Filter
Insertion Loss	1.2dB
Attenuation	32dB
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 Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Tx	Date	March 31, 2010
Part Number	FAR-F5KA-710M00-D4VQ	Version 4.0d	

**Table 1 Electrical Specification**

Item	Condition	Proposal Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	704-716MHz	-	1.2	2.0	dB	
Ripple	704-716MHz	-	0.5	1.1	dB	
VSWR	Output(S11)	-	1.5	2.0	-	
	Input(S22)	-	1.5	2.0	-	
Attenuation	DC-674MHz	45	55	-	dB	
	674-686MHz	28	33	-	dB	
	734-746MHz	28	32	-	dB	
	869-1800MHz	35	50	-	dB	
	1800-3000MHz	25	40	-	dB	
	3000-4000MHz	17	32	-	dB	
	4000-5000MHz	13	23	-	dB	
Terminating Impedance	Input	50			ohm	Single-ended
	Output	50			ohm	Single-ended
Operating Temperature		-30 to +85			°C	



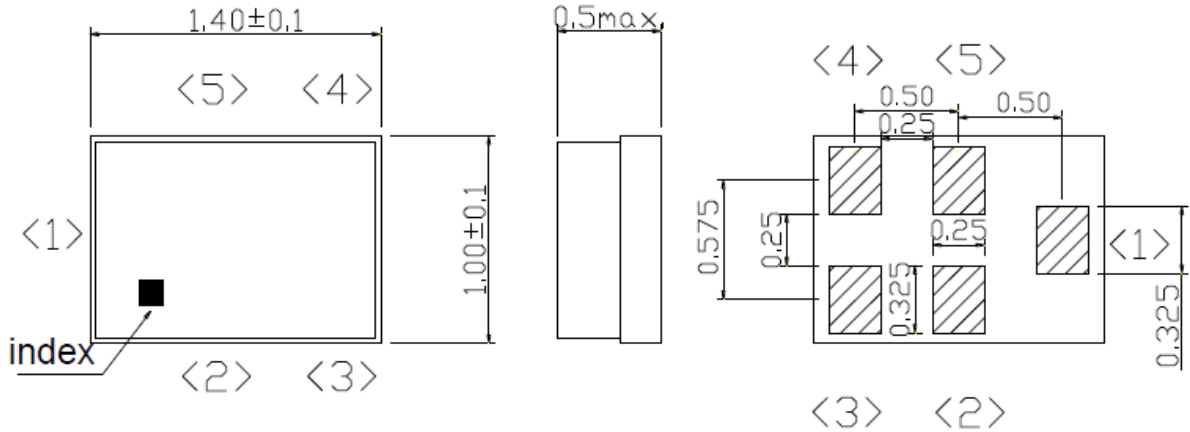
MSL1

\* Pb Free Part

Customer Name	<b>Standard Specification</b>	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Tx	Date	March 31, 2010
Part Number	FAR-F5KA-710M00-D4VQ	Version 4.0d	

### Dimensions

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

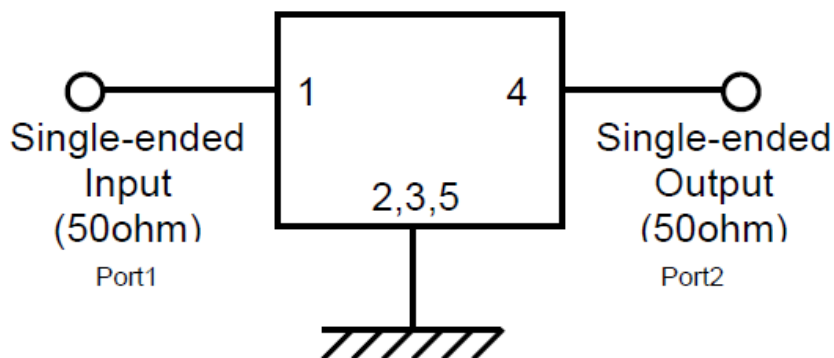


Unit: mm

### Pin Configuration

Pin No.	Symbol	Function
1	IN	Single-ended pin
2	GND	Ground
3	GND	Ground
4	OUT	Single-ended pin
5	GND	Ground

### Evaluation Condition





MSL1

\* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Tx	Date	March 31, 2010
Part Number	FAR-F5KA-710M00-D4VQ	Version 4.0d	

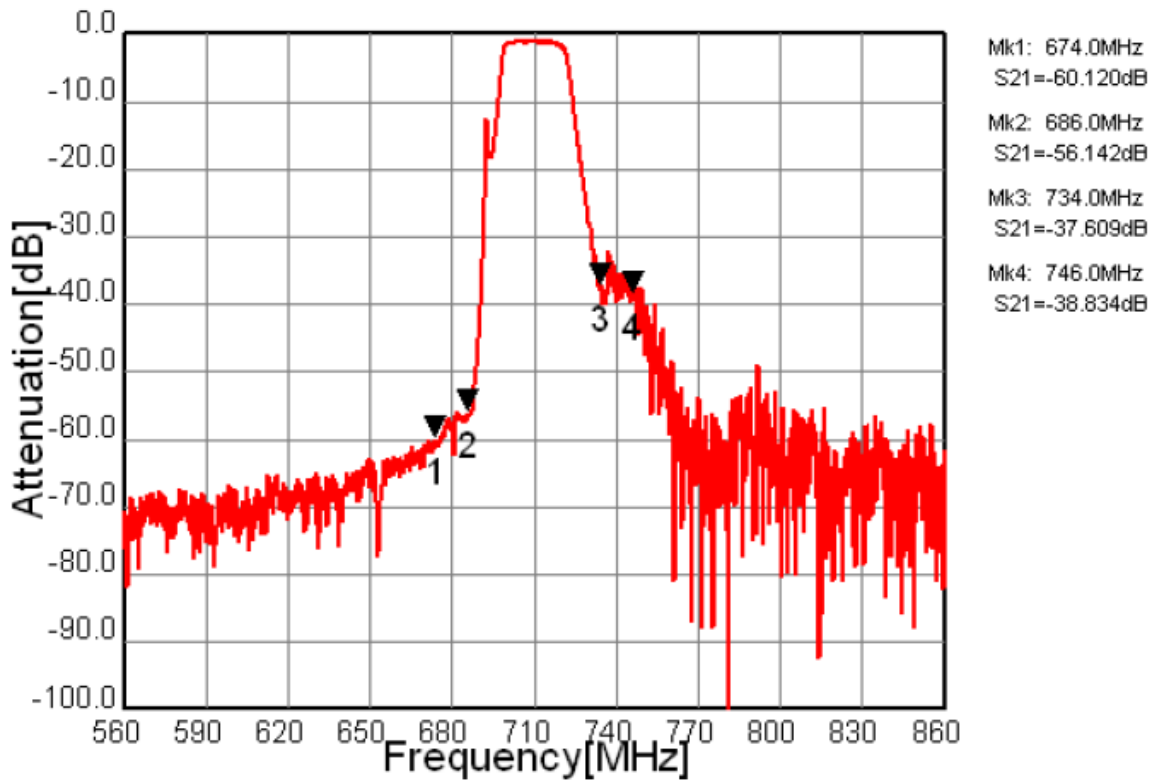


Fig.1 Pass-band Characteristic

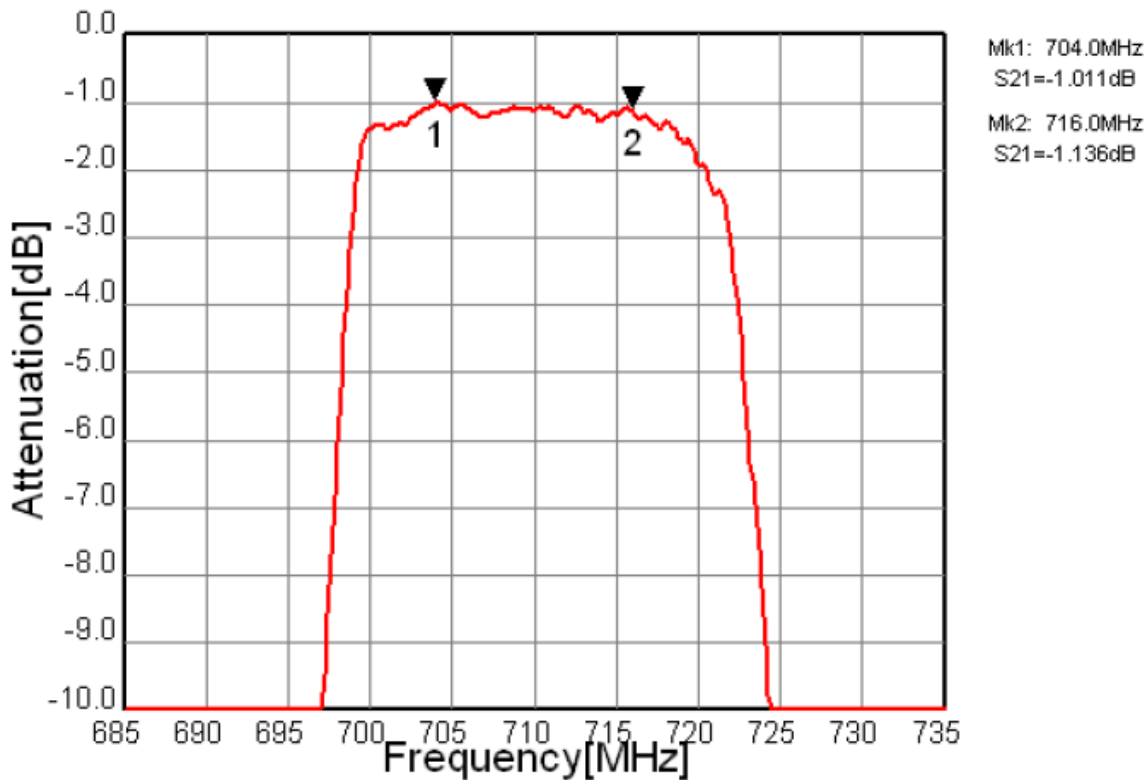


Fig.2 In-band Characteristic



MSL1

\* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Tx	Date	March 31, 2010
Part Number	FAR-F5KA-710M00-D4VQ	Version 4.0d	

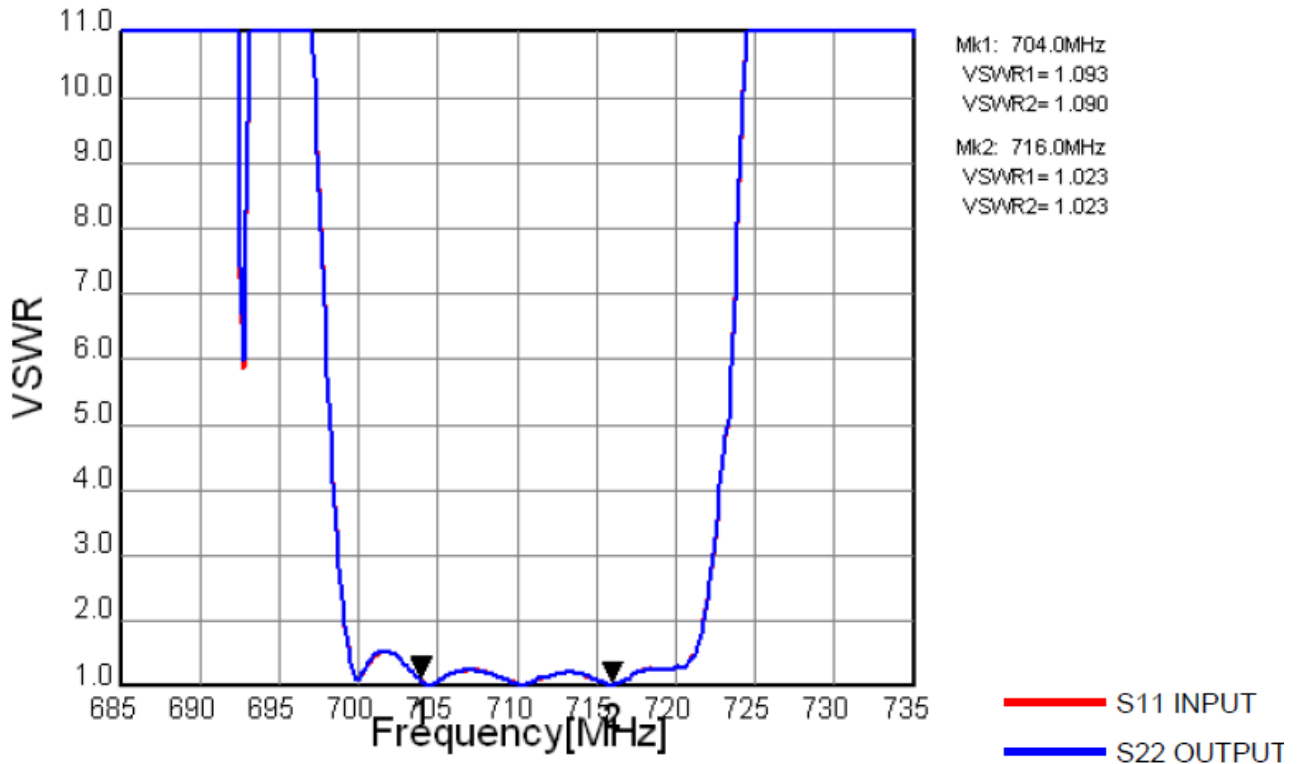


Fig.3 VSWR

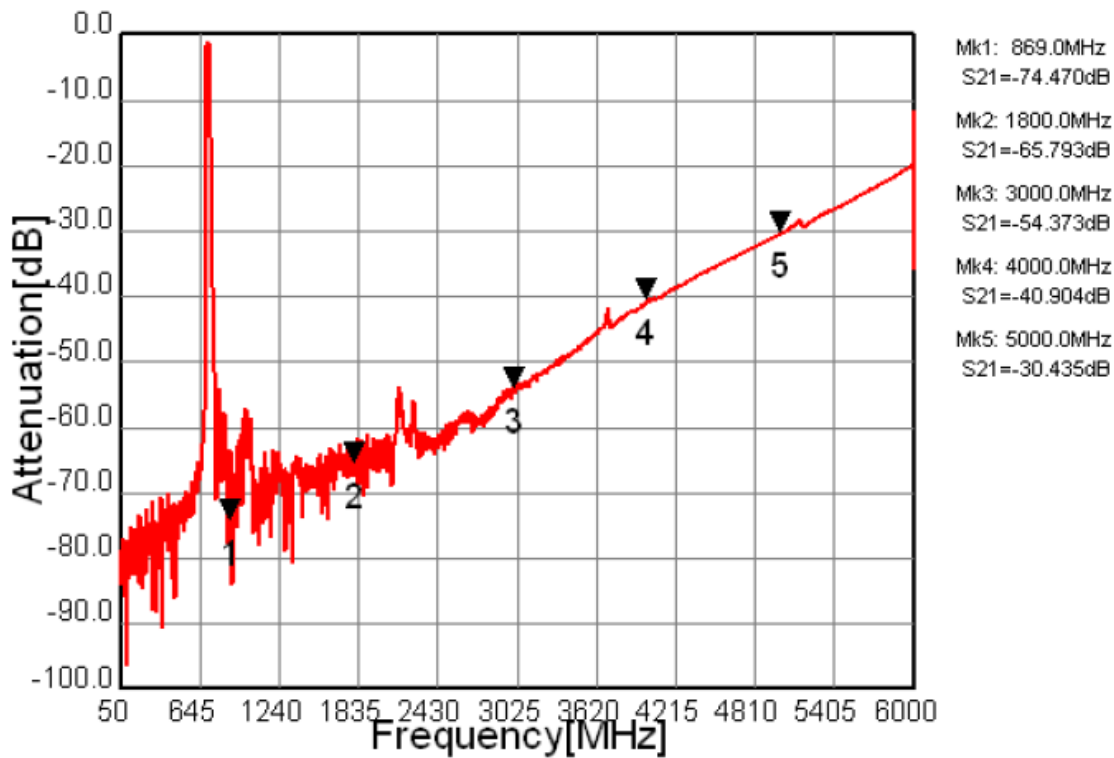


Fig.4 Wide-band Characteristic



MSL1

\* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Tx	Date	March 31, 2010
Part Number	FAR-F5KA-710M00-D4VQ	Version 4.0d	

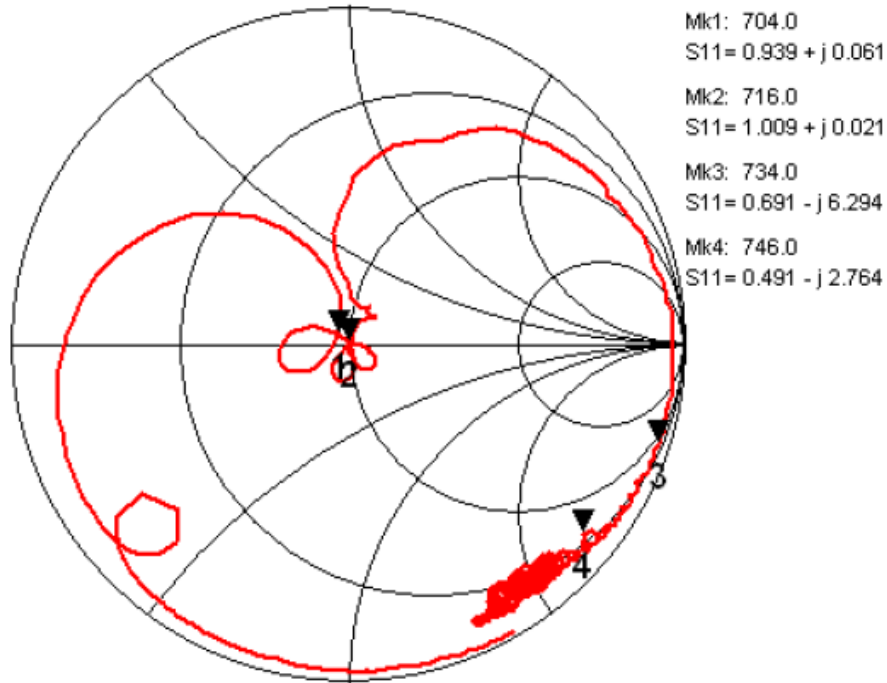


Fig.5 Impedance (INPUT)

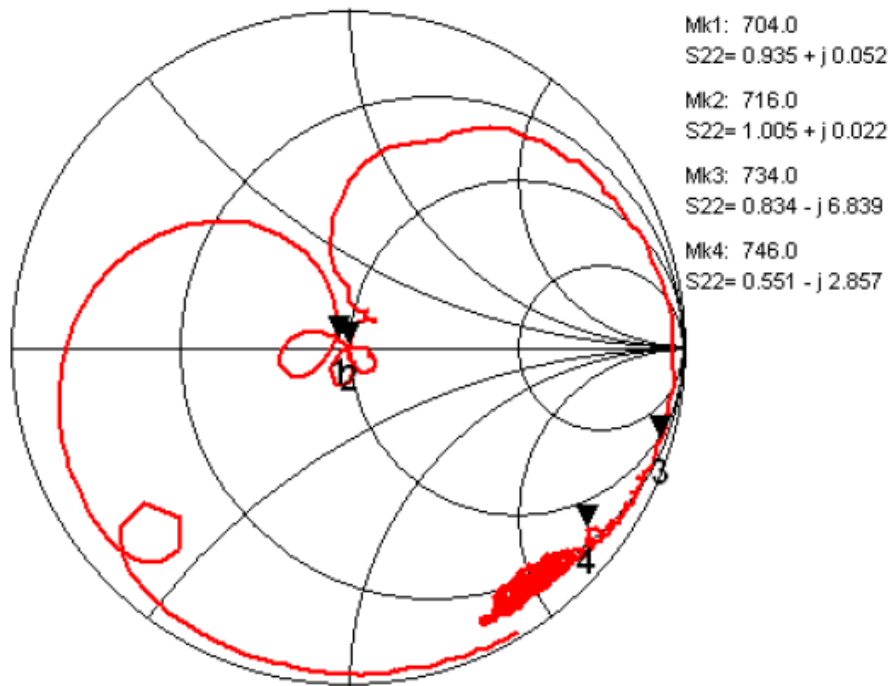


Fig.6 Impedance (OUTPUT)