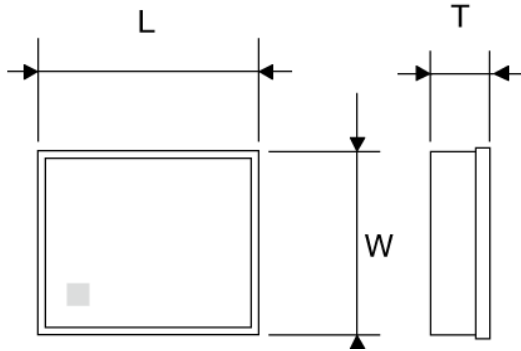


# SAW Filter

## FAR-F5KA-782M00-D4VP



### ■ 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)	B13
Use	WCDMA / LTE
Transmitting / Receiving	Tx Filter
Insertion Loss	1.5dB
Attenuation	55dB
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.



\* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 13C Tx	DATE	May 11, 2010
Part Number	FAR-F5KA-782M00-D4VP	Version 2.1b	

**Table 1 Electrical Specification**

Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	777-787MHz	-	1.5	2.0	dB	
Ripple	777-787MHz	-	0.5	1.0	dB	
VSWR	Input(S11)	-	1.5	2.0	-	
	Output(S22)	-	1.5	2.0	-	
Attenuation	10-716MHz	45	60	-	dB	
	716-728MHz	45	60	-	dB	
	728-746MHz	45	55	-	dB	
	746-756MHz	45	55	-	dB	
	758-768MHz	-	3	-	dB	Not specified
	768-775MHz	-	1	-	dB	Not specified
	793-805MHz	-	1	-	dB	Not specified
	808-818MHz	25	32	-	dB	
	869-894MHz	45	55	-	dB	
	1554-1565MHz	45	60	-	dB	
	1565-1585MHz	45	60	-	dB	
	1597-1607MHz	45	60	-	dB	
	1805-1880MHz	45	60	-	dB	
	1930-1990MHz	45	55	-	dB	
	2110-2170MHz	35	55	-	dB	
	2331-2361MHz	45	50	-	dB	
	2400-2484MHz	35	50	-	dB	
	2484-3000MHz	30	50	-	dB	
	3000-3108MHz	20	55	-	dB	
3108-3148MHz	20	55	-	dB		
3148-4000MHz	20	40	-	dB		
4000-5000MHz	15	30	-	dB		
5000-6000MHz	5	20	-	dB		
Terminating Impedance	Input(S11)	50			Ohm	Single-ended
	Output(S22)	50			Ohm	Single-ended
Operating Temperature		-30 to +85			°C	

**TAIYO YUDEN**

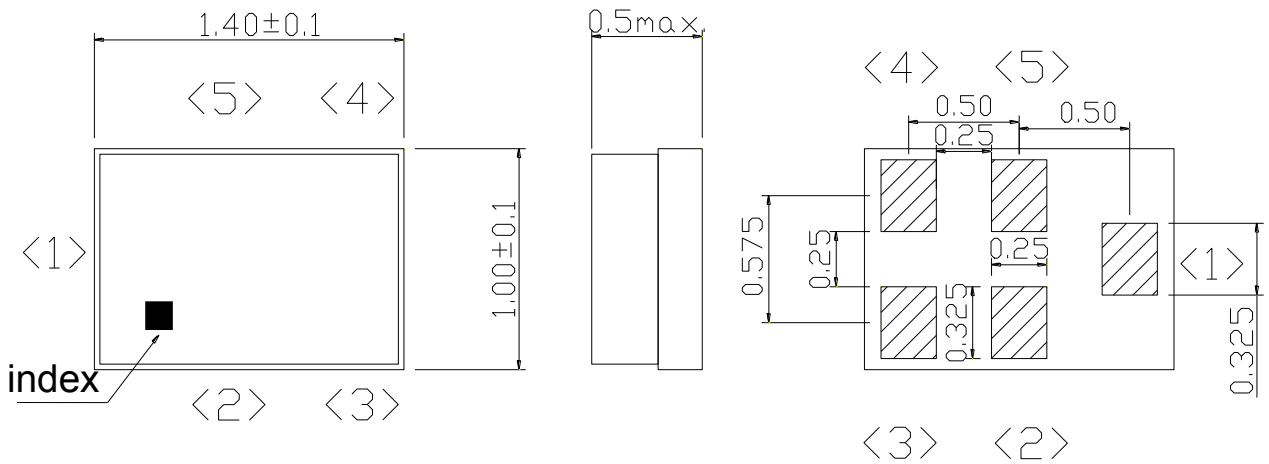


\* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 13C Tx	DATE	May 11, 2010
Part Number	FAR-F5KA-782M00-D4VP	Version 2.1b	

### Dimensions

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

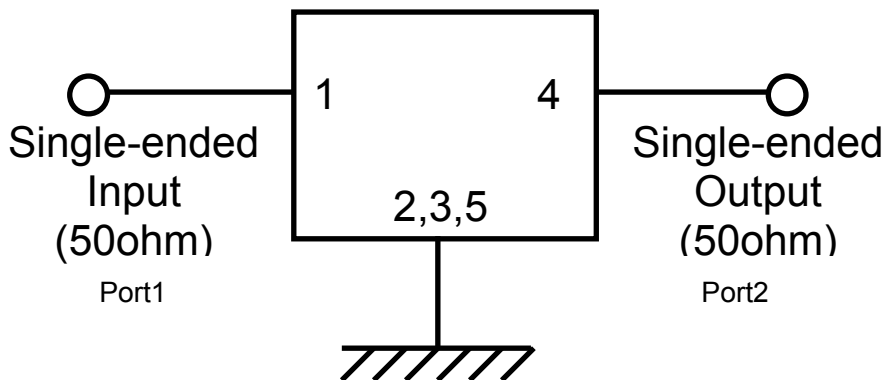


Unit: mm

### 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





\* Pb Free Part

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System	Band 13C Tx	DATE	May 11, 2010
Part Number	FAR-F5KA-782M00-D4VP	Version 2.1b	

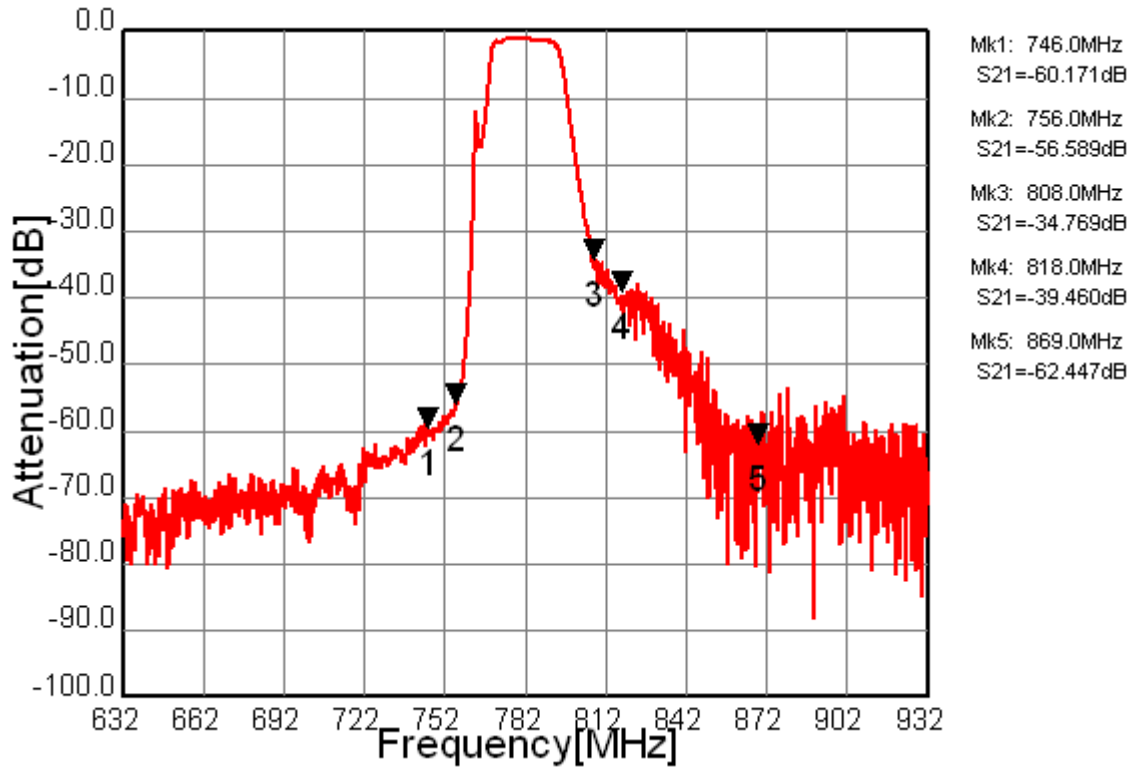


Fig.1 Pass-band Characteristic

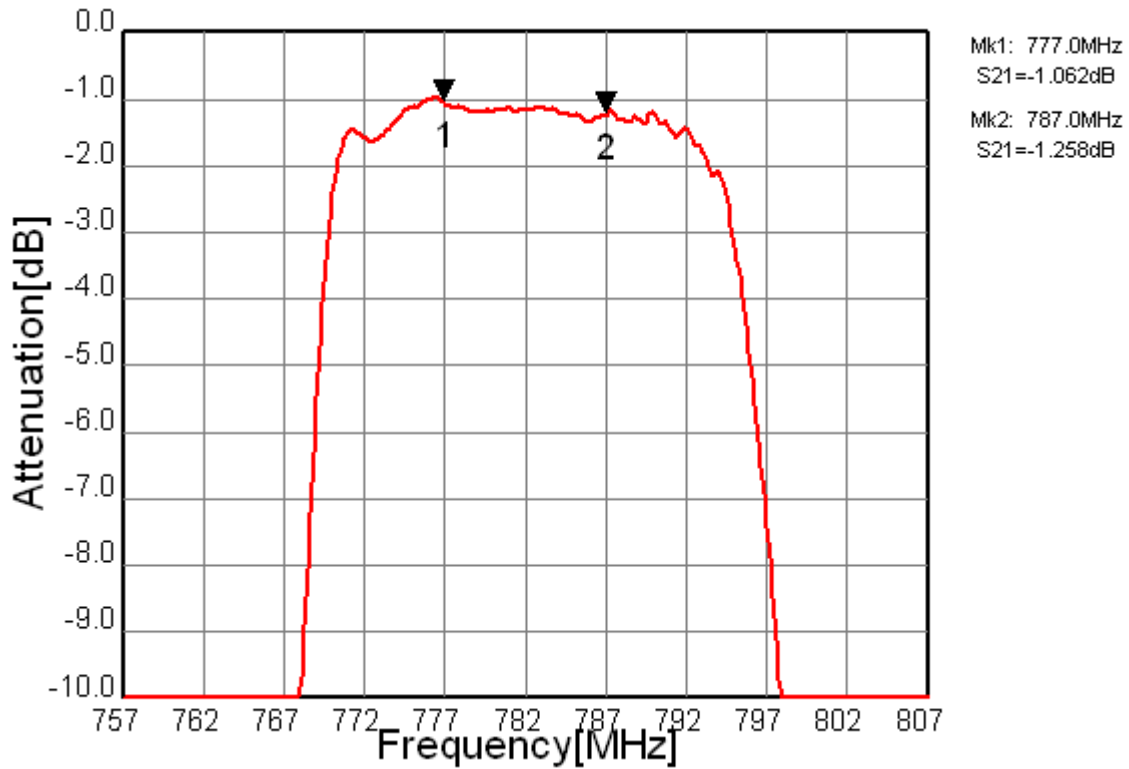


Fig.2 In-band Characteristic



\* Pb Free Part

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System	Band 13C Tx	DATE	May 11, 2010
Part Number	FAR-F5KA-782M00-D4VP	Version 2.1b	

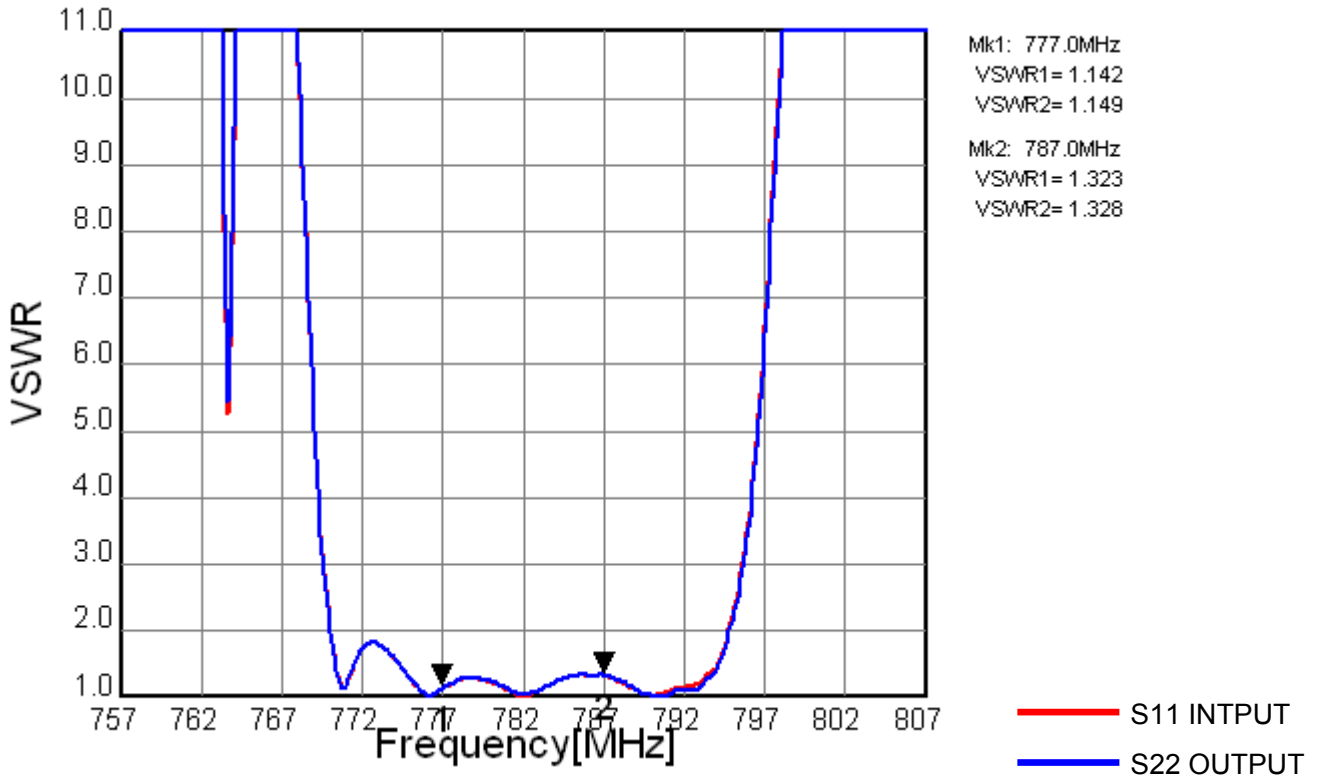


Fig.3 VSWR

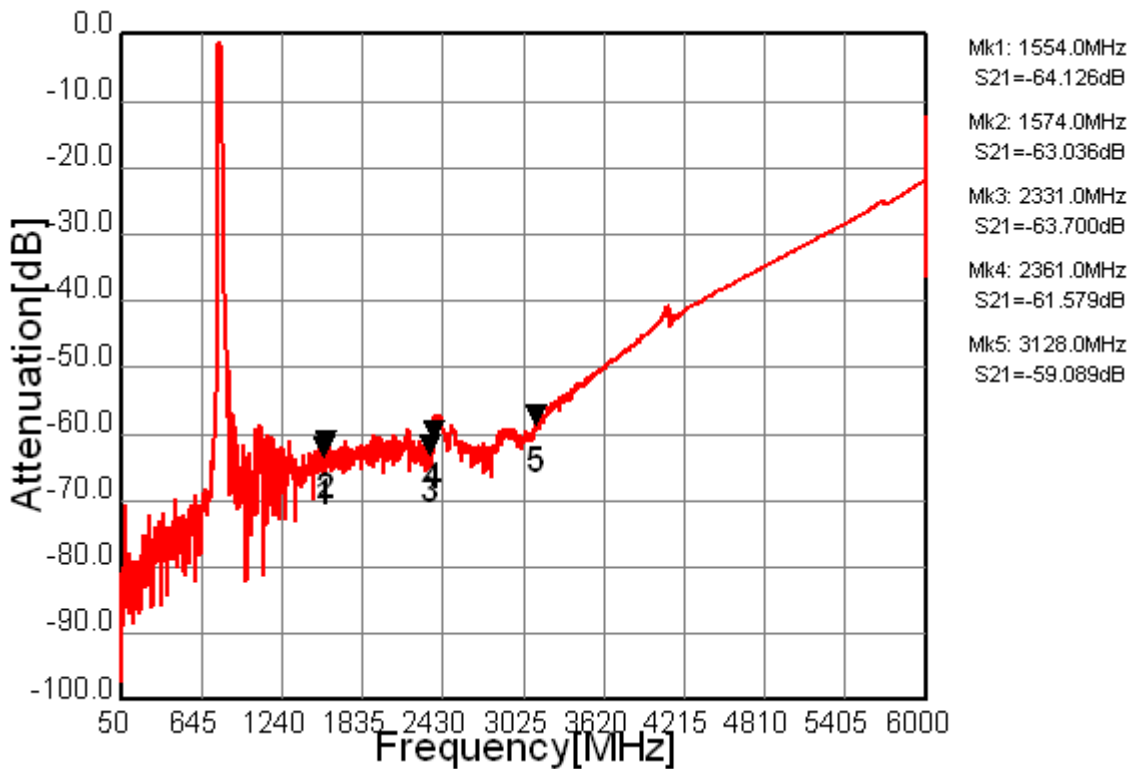


Fig.4 Wide-band Characteristic



\* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 13C Tx	DATE	May 11, 2010
Part Number	FAR-F5KA-782M00-D4VP	Version 2.1b	

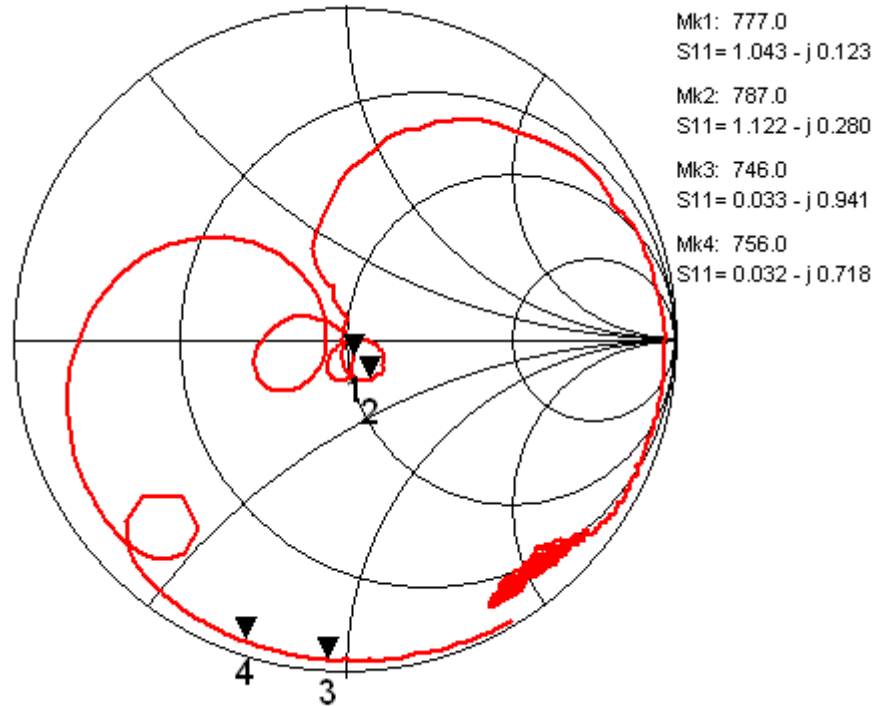


Fig.5 Impedance (INPUT)

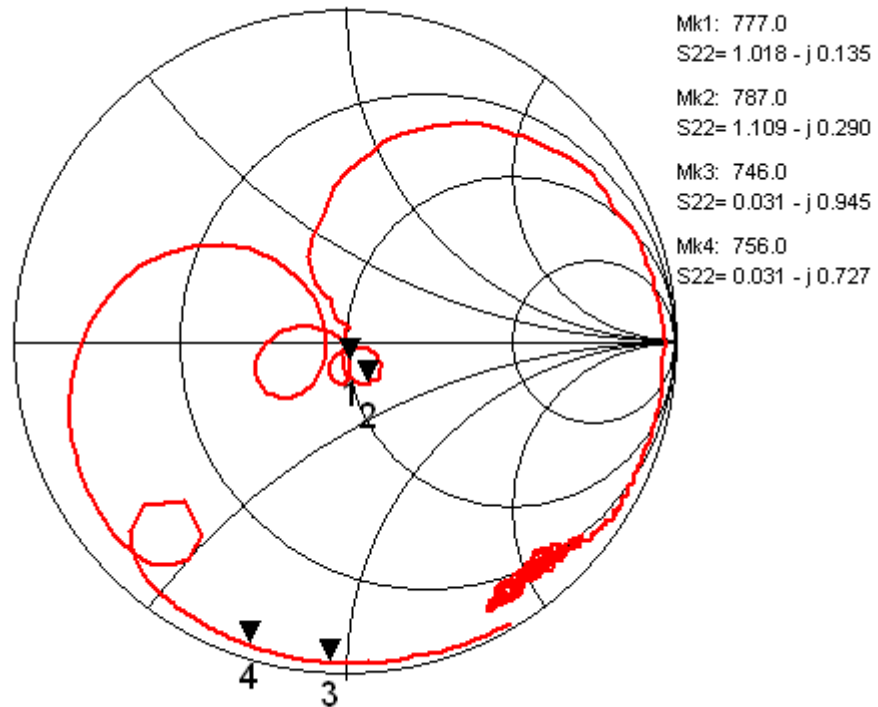


Fig.6 Impedance (OUTPUT)