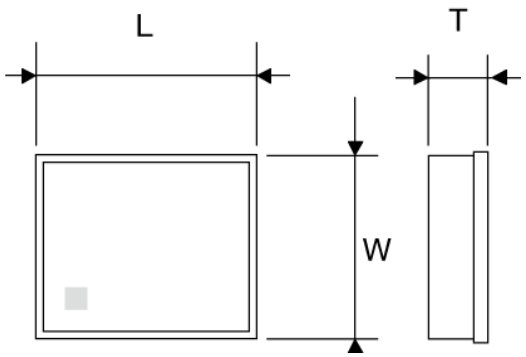
Spec Sheet

SAW Filter

FAR-F6KA-1G8425-D4CK



Features

- Item Summary

  GSM1800 , Rx, 504

- Lifecycle Stage

  Mass Production

- Standard packaging quantity (minimum)

  Taping Embossed 3000 , 15000pcs

Products characteristics table

Temperature Range	-30 to +85℃
GSM	1800
Use	GSM
Transmitting / Receiving	Rx Filter
Insertion Loss	2.1dB
Attenuation	20dB
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	DCS-Rx (unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G8425-D4CK	Version 3.0c	

Table 1. Electrical specification

Passband: 1805 ~ 1880 MHz						
Item	**Condition**	**Specification**				**Remarks**
		Min.	Typ.	Max.	Unit	
Insertion Loss	1805 - 1880 MHz	-	2.1	2.5	dB	
Ripple	1805 - 1880 MHz	-	0.7	1.6	dB	
Absolute Attenuation	DC - 1300 MHz	28	31	-	dB	
	1300 - 1705 MHz	27	31	-	dB	
	1705 - 1785 MHz	9	20	-	dB	
	1920 - 1980 MHz	15	18	-	dB	
	1980 - 3000 MHz	23	28	-	dB	
	3000 - 6000 MHz	18	22	-	dB	
VSWR(Input)	1805 - 1880 MHz	-	2.2	2.7	-	
VSWR(Output)	1805 - 1880 MHz	-	2.4	2.9	-	
Input Impedance		50 //6.8nH			Ohm	
Output Impedance		50			Ohm	
Device size		1.4typ.x1.0typ.x0.5typ.			mm	
Operating temp.		-30 ~ +85			°C	

MSL1

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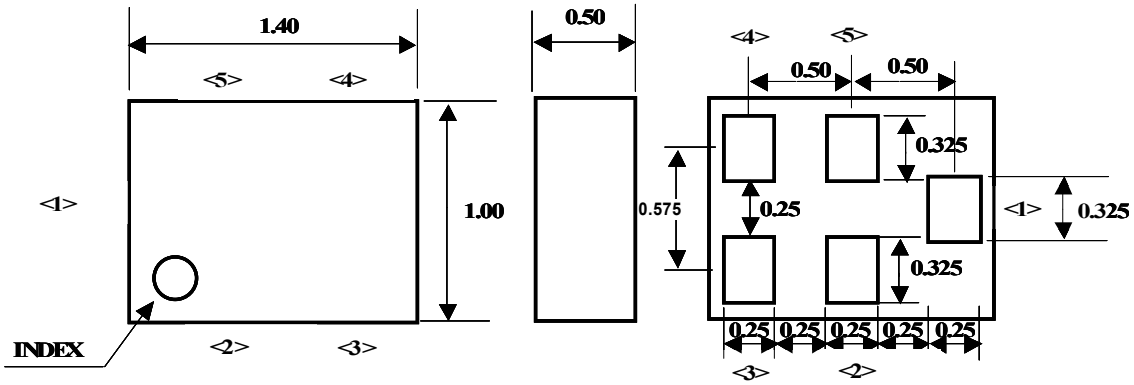
Dimensions

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

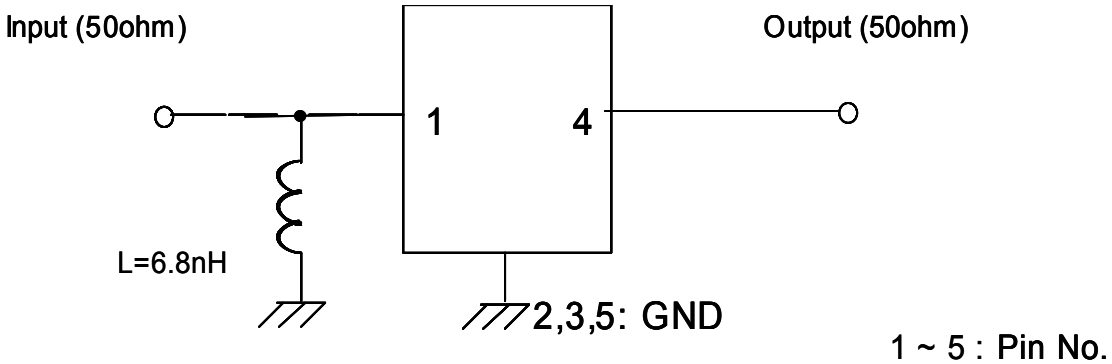


Unit: mm

Pin Configuration

Pin No.	Symbol	Function
1	IN	Input pin
2	GND	Ground
3	GND	Ground
4	OUT	Output pin
5	GND	Ground

Evaluation Circuit



1 ~ 5 : Pin No.

MSL1

* Pb Free Part

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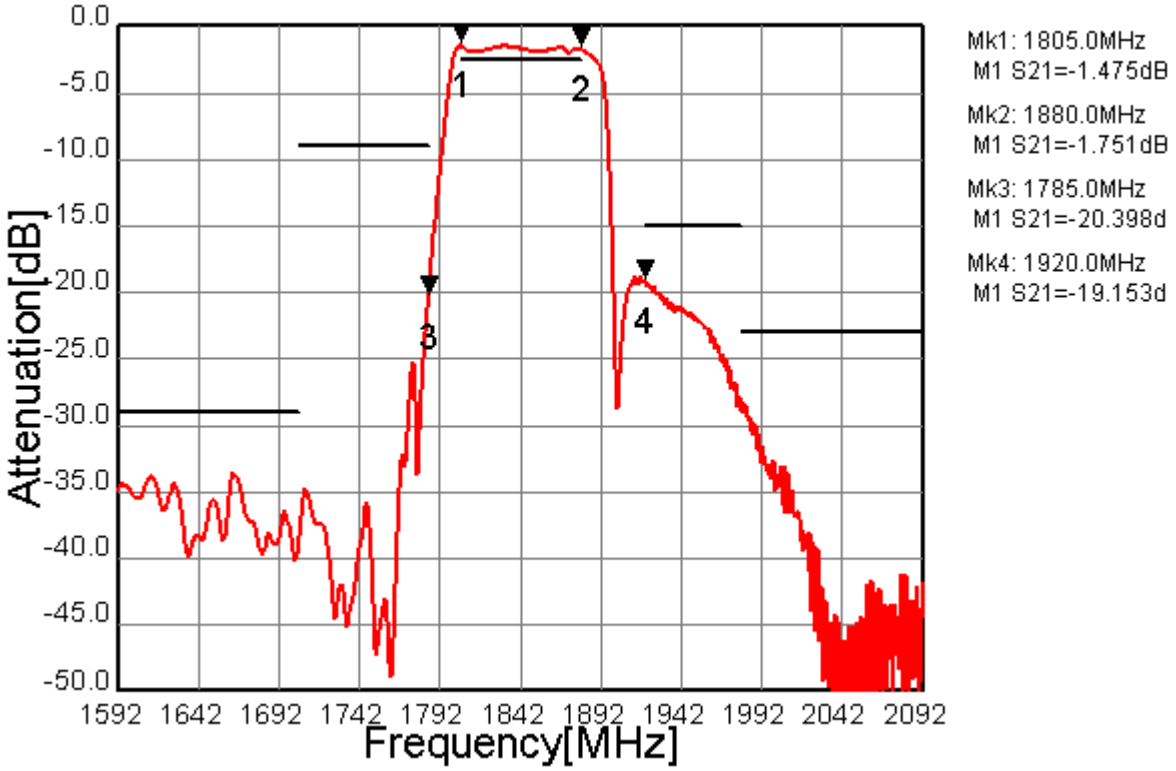

Fig.1 Pass-band Characteristic

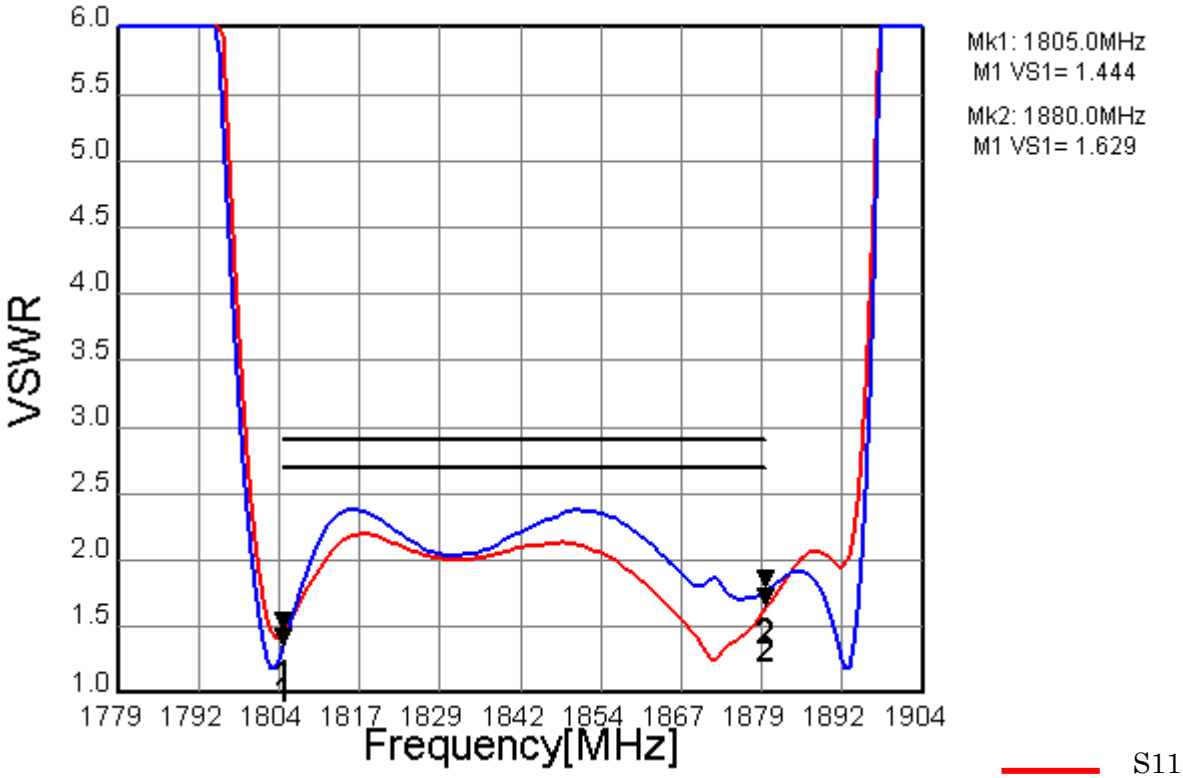

Fig.2 VSWR

MSL1

* Pb Free Part

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System	DCS-Rx (unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G8425-D4CK	Version 3.0c	

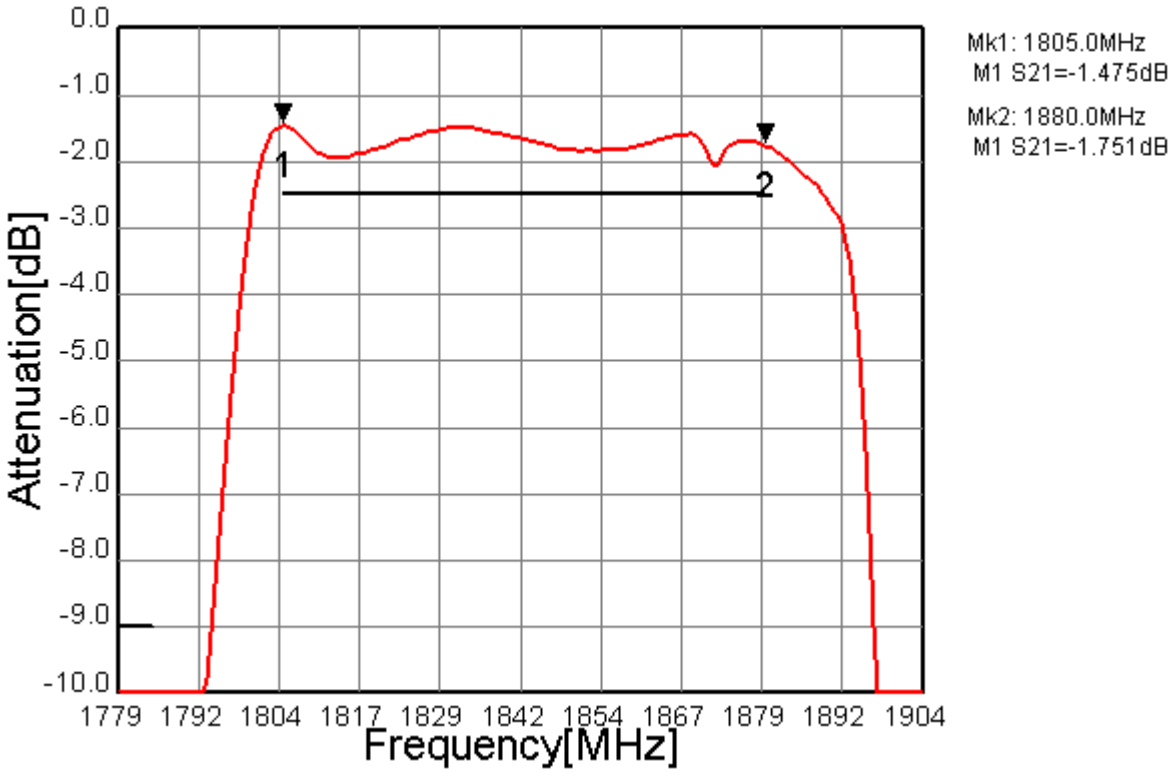

Fig.3 In-band Characteristic

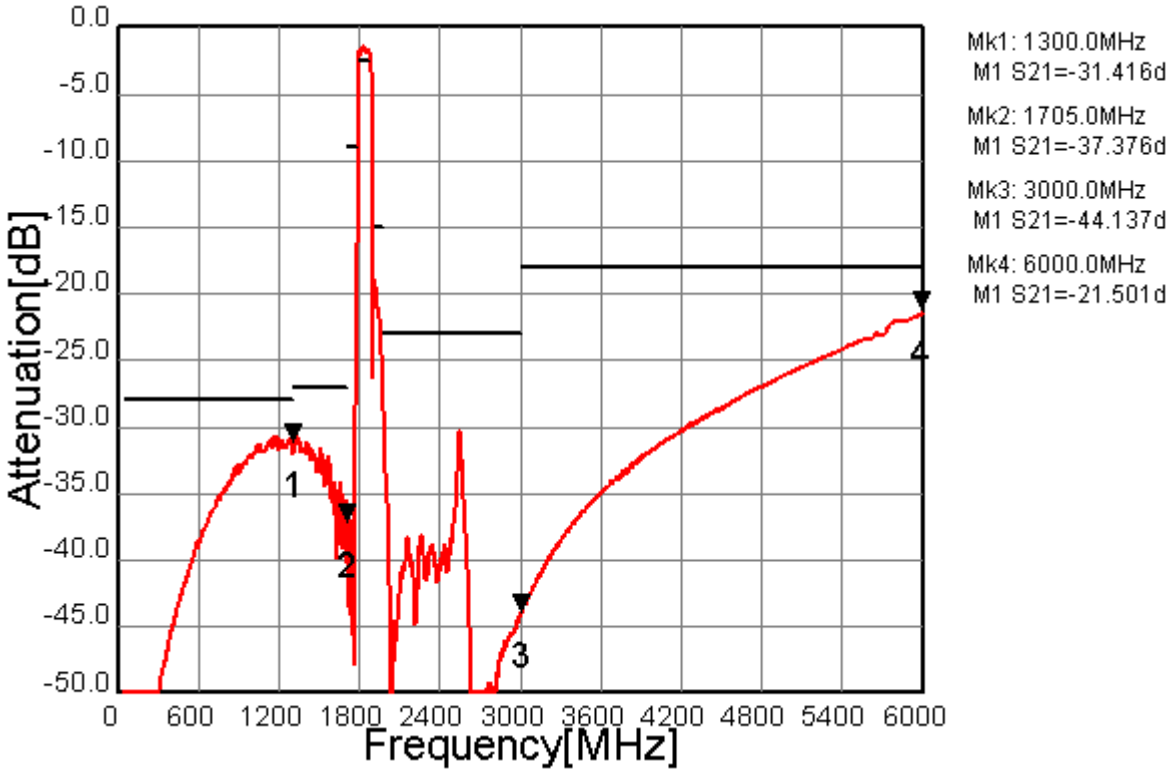

Fig.4 Wide-band Characteristic

MSL1

* Pb Free Part

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System	DCS-Rx (unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G8425-D4CK	Version 3.0c	

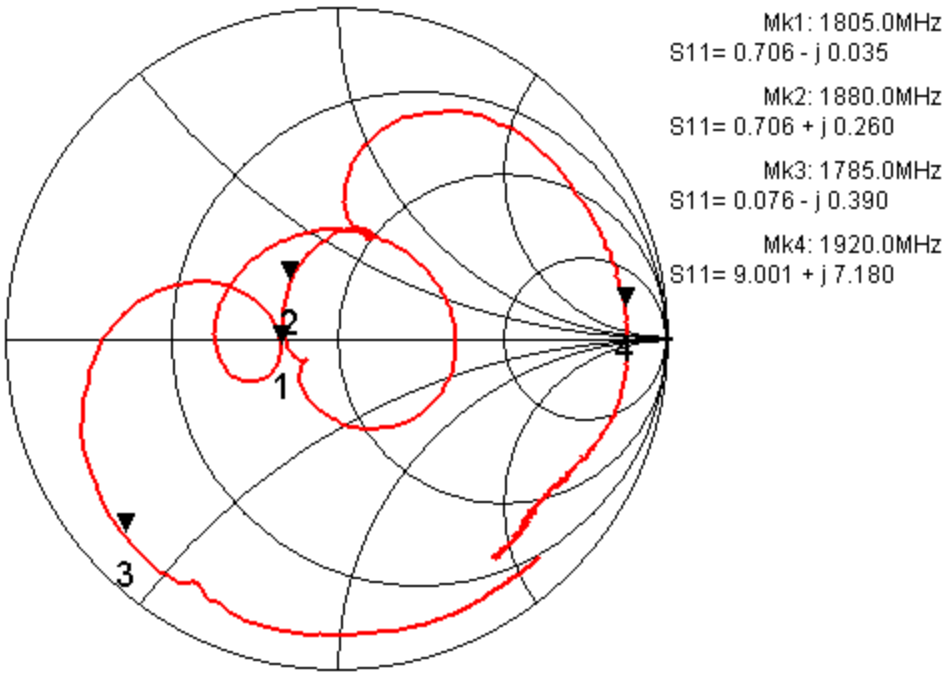

Fig.5 Input Impedance

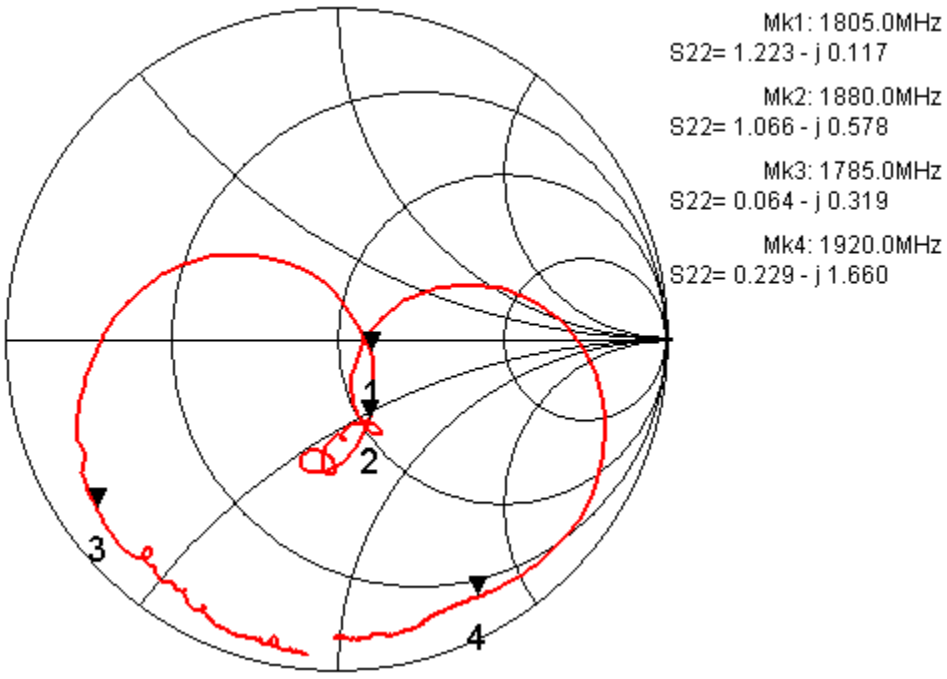

Fig.6 Output Impedance