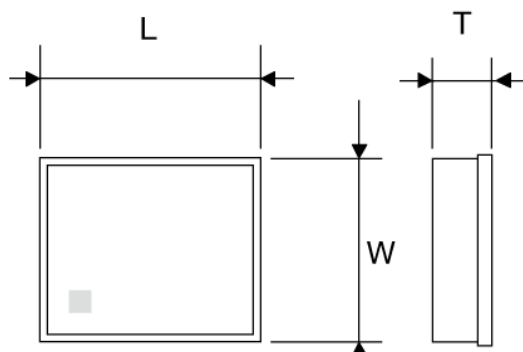


SAW Filter

FAR-F6KA-2G1400-D4DW



■ Features

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

■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B1 / B4
Band(3GPP2)	BC6
Use	WCDMA
Transmitting / Receiving	Rx Filter
Insertion Loss	1.9dB
Attenuation	48dB
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



MSL1

*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	WCDMA I (2G) Rx	DATE	Jun. 28, 2011
Part Number	FAR-F6KA-2G1400-D4DW	Version 1.0a	FINAL

Table 1.Electrical specification

Pass Band 2110 - 2170MHz						
Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	2110-2170 MHz	-	1.9	2.5	dB	
Ripple	2110-2170 MHz	-	0.7	1.4	dB	
Absolute attenuation	1920-1980 MHz	43	48	-	dB	
	4220-4340 MHz	30	38	-	dB	
VSWR(S11)	2110-2170 MHz	-	1.9	2.4	-	
VSWR(S22)	2110-2170 MHz	-	1.9	2.4	-	
In/Output impedance	-	50/50			ohm	
Operating temperature		-30 to +85			°C	
Device size (L x W x H)		1.4typ.x1.0typ.x0.5max.			mm	SMD



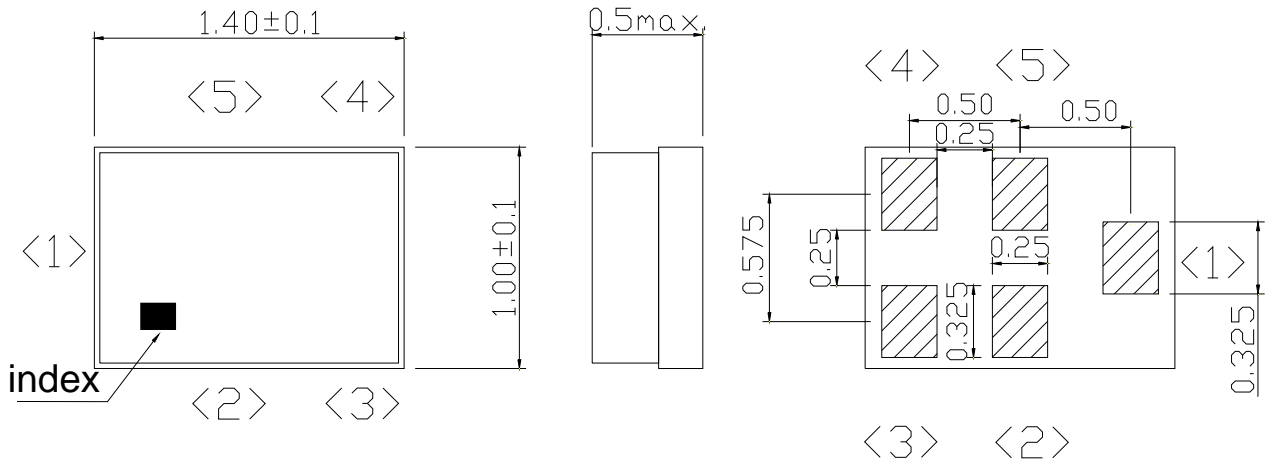
MSL1

*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	WCDMA I (2G) Rx	DATE	Jun. 28, 2011
Part Number	FAR-F6KA-2G1400-D4DW	Version 1.0a	FINAL

Dimensions

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

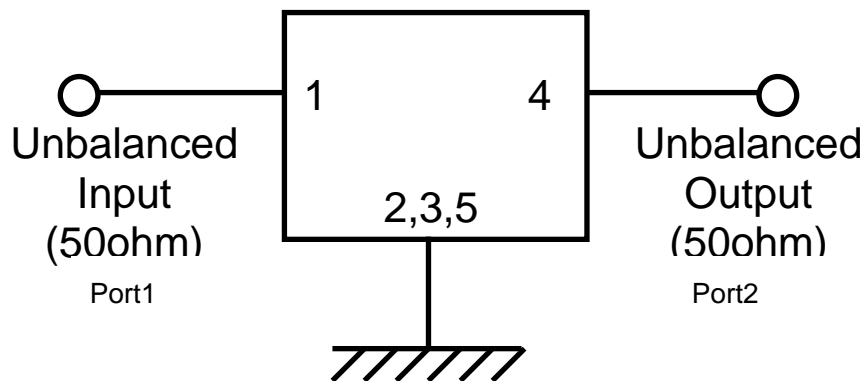


Unit: mm

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

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	WCDMA I (2G) Rx	DATE	Jun. 28, 2011
Part Number	FAR-F6KA-2G1400-D4DW	Version 1.0a	FINAL

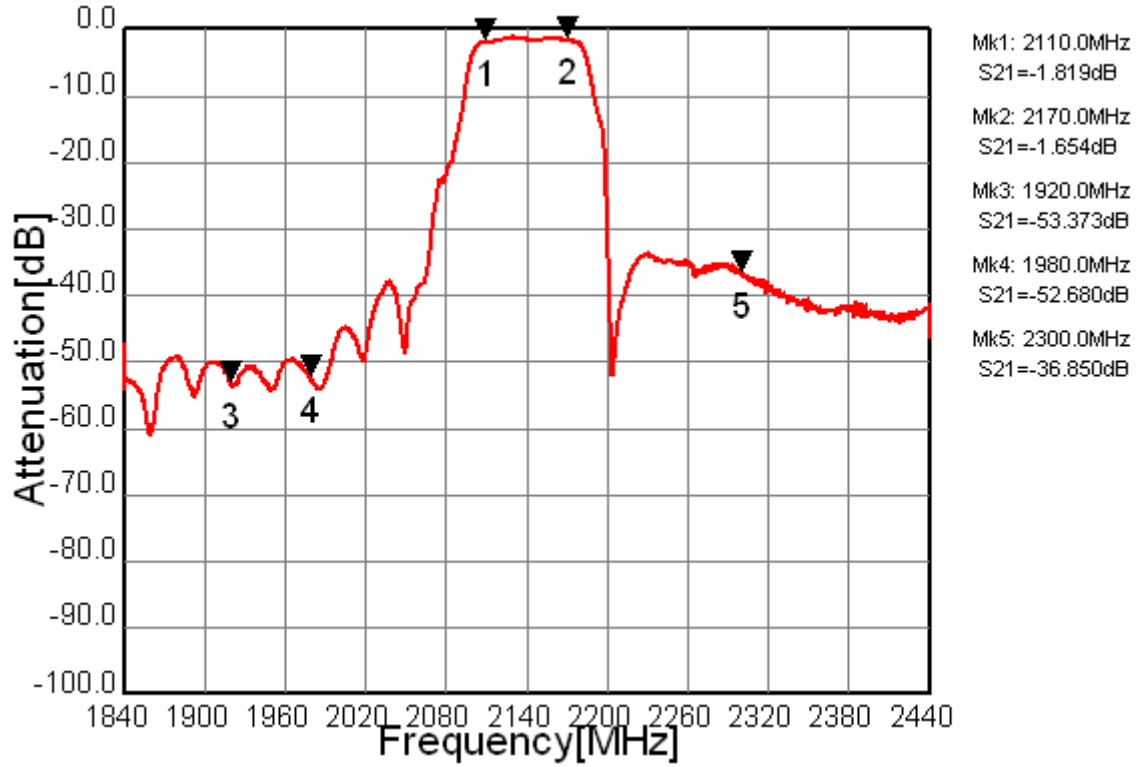


Fig.1 Pass-band Characteristic

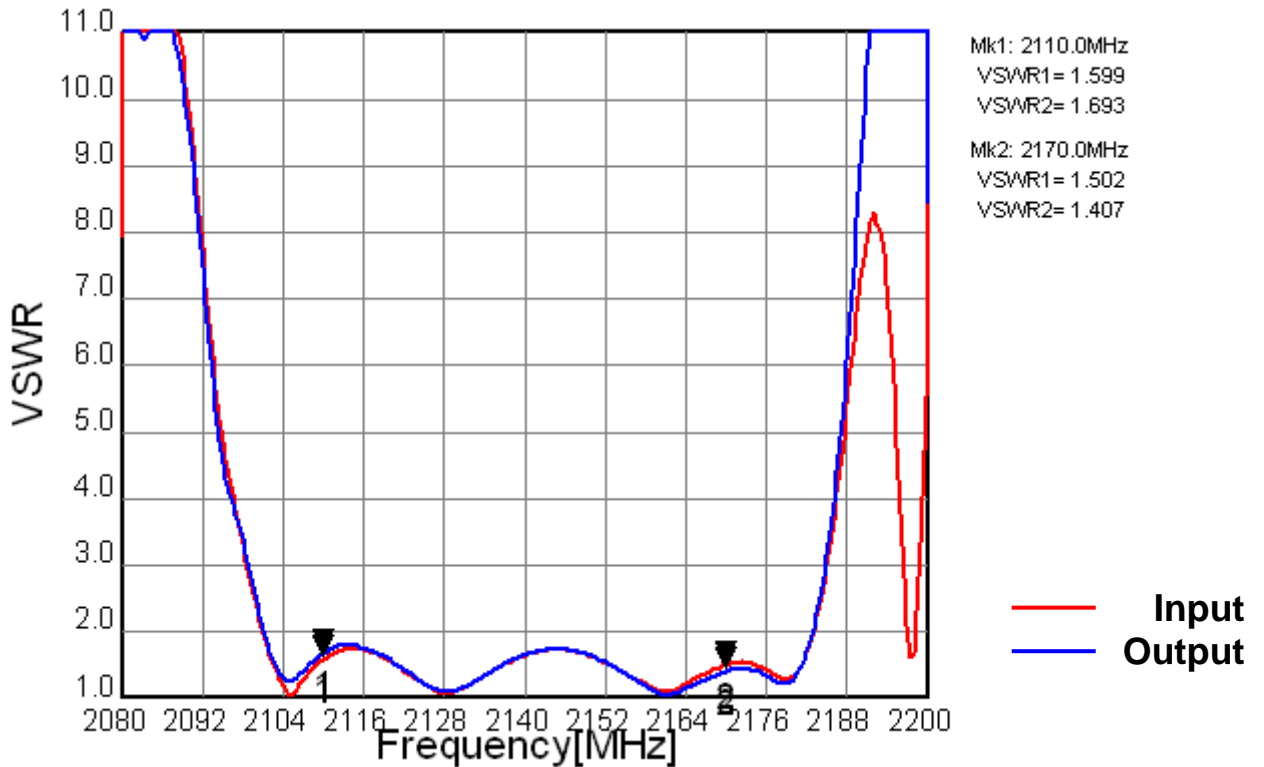


Fig.2 VSWR



MSL1

*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	WCDMA I (2G) Rx	DATE	Jun. 28, 2011
Part Number	FAR-F6KA-2G1400-D4DW	Version 1.0a	FINAL

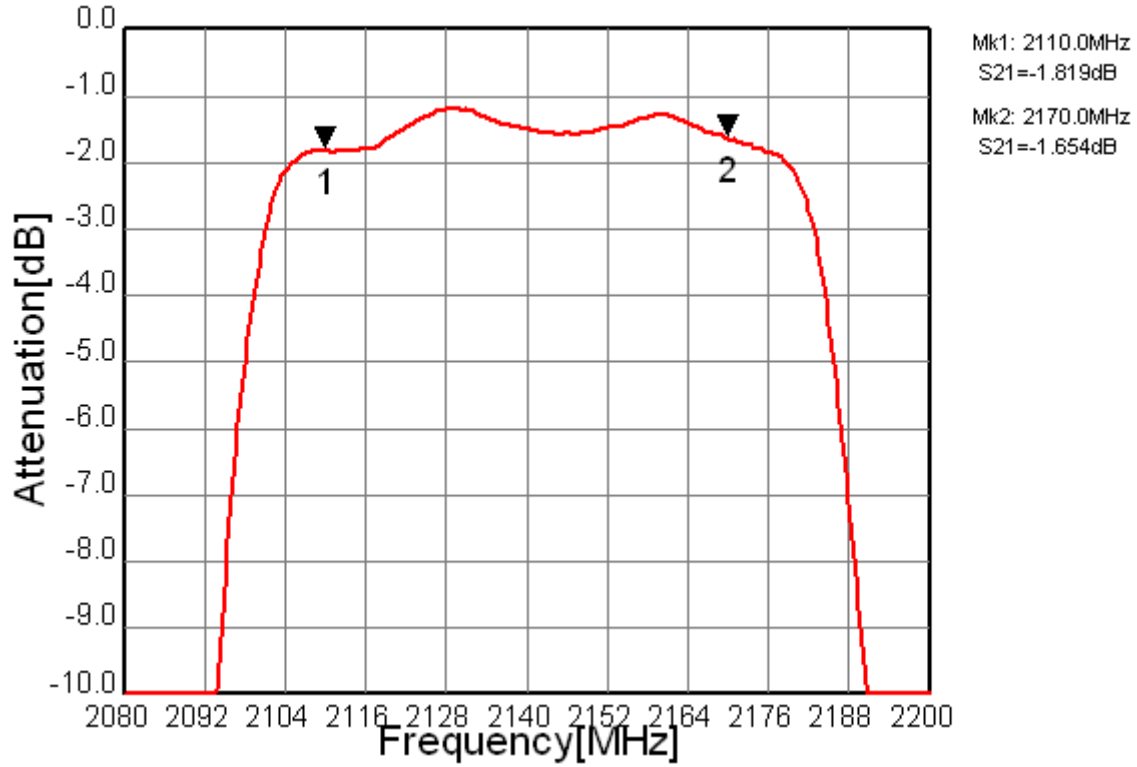


Fig.3 In-band Characteristic

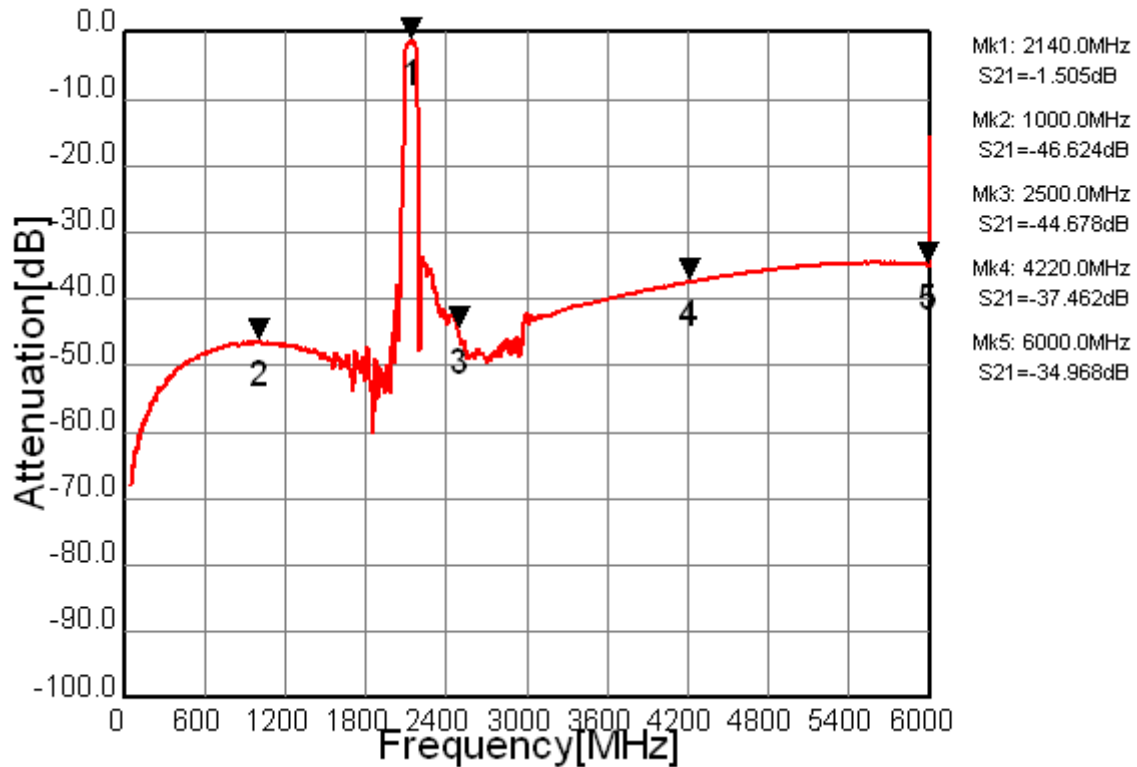


Fig.4 Wide-band Characteristic



MSL1

*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	WCDMA I (2G) Rx	DATE	Jun. 28, 2011
Part Number	FAR-F6KA-2G1400-D4DW	Version 1.0a	FINAL

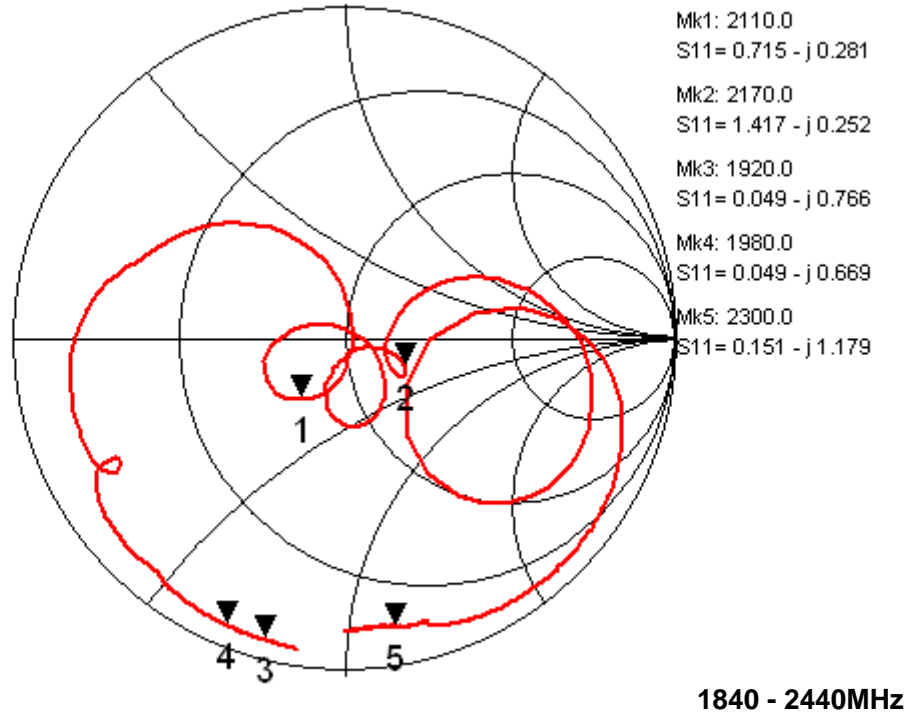


Fig.5 Impedance (S11)

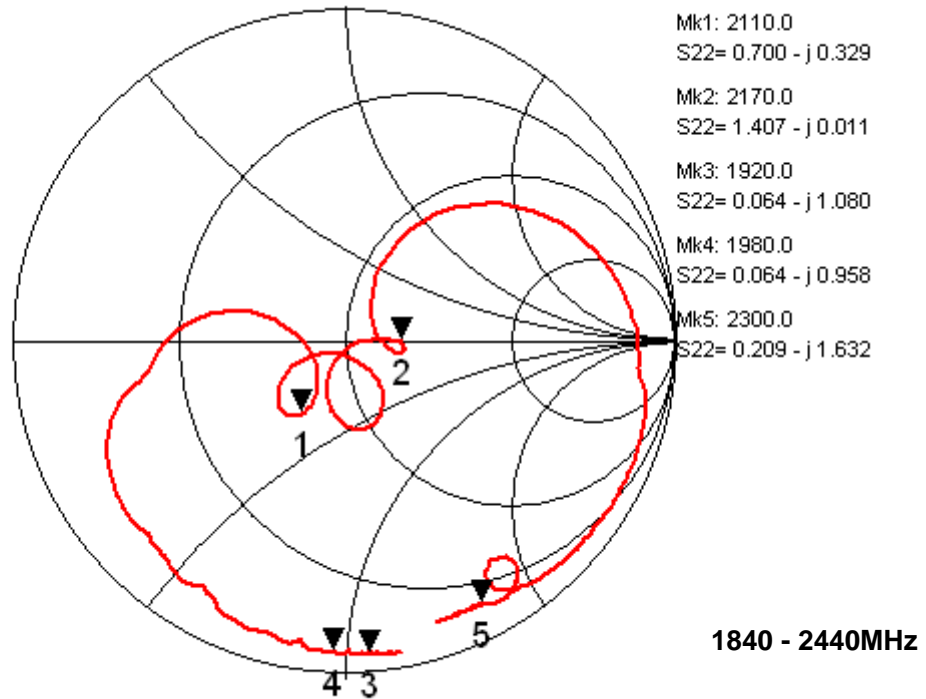


Fig.6 Impedance (S22)