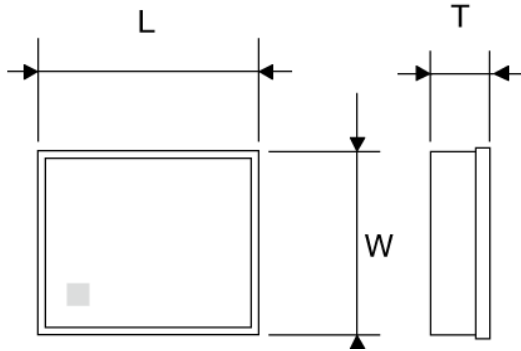


SAW Filter

FAR-F6KA-2G4500-A4VD



■ Features

- Item Summary
WLAN, 504
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 3000 , 15000pcs

■ Products characteristics table

Temperature Range	-30 to +85°C
Use	WLAN
Insertion Loss	1.9dB
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	W-LAN	DATE	Aug. 20, 2010
Part Number	FAR-F6KA-2G4500-A4VD	Version 2.0b	Final

Table 1.						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	2400 - 2500	-	1.9	2.5	dB	
Ripple	2400 - 2500	-	0.7	1.3	dB	
VSWR (Input)	2400 - 2500	-	1.8	2.3	dB	
VSWR (Output)	2400 - 2500	-	1.7	2.1	dB	
Absolute attenuation	DC - 960	40	47	-	dB	
	960 - 1580	30	38	-	dB	
	1710 - 1990	30	38	-	dB	
	2110 - 2170	30	40	-	dB	
	2700 - 4800	15	24	-	dB	
	4800 - 5000	13	23	-	dB	
	5000 - 6000	10	19	-	dB	
Input impedance	-	50//4.7nH			Ohms	
Output impedance	-	50//3.9nH			Ohms	
Max. Input Power	2400 - 2500	+19dBm (79mW)>10000hour Ta=+85 °C			dBm	Passband, CW
Temperature range	-	-30 to +85			°C	
Package size	-	1.4typ x 1.0typ x 0.5max			mm	



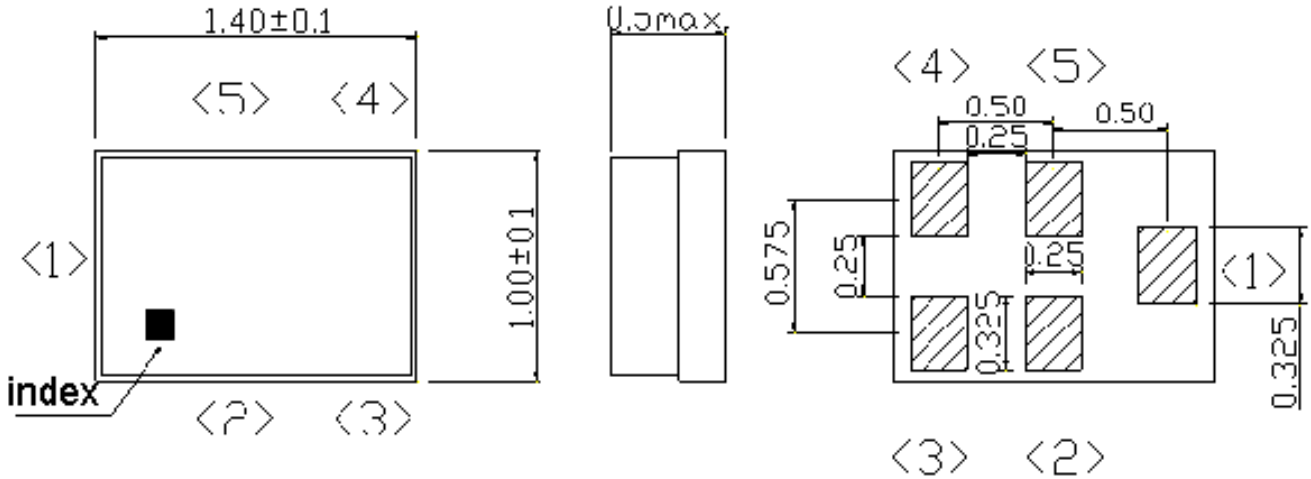
MSL1

*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	W-LAN	DATE	Aug. 20, 2010
Part Number	FAR-F6KA-2G4500-A4VD	Version 2.0b	Final

Dimensions

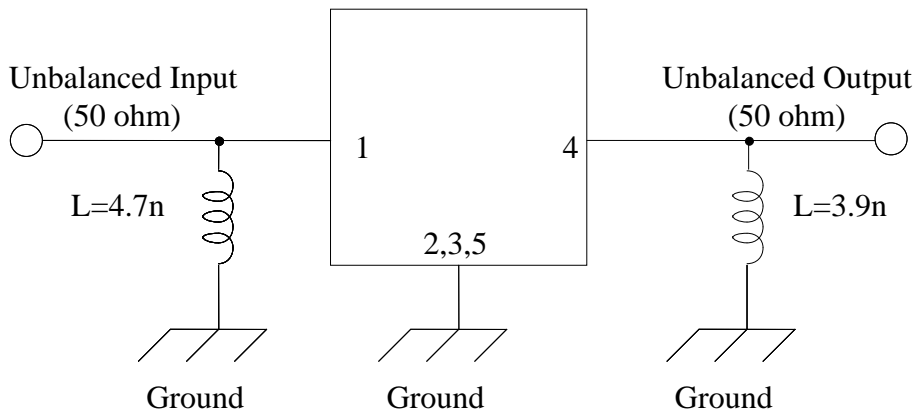
Device size: 1.4typ. x 1.0typ. x 0.5max



Pin Configuration

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

Evaluation Circuit



1 to 5 ; Pin No.



MSL1

*Pb Free part

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Part Number	FAR-F6KA-2G4500-A4VD	Version 2.0b	Final

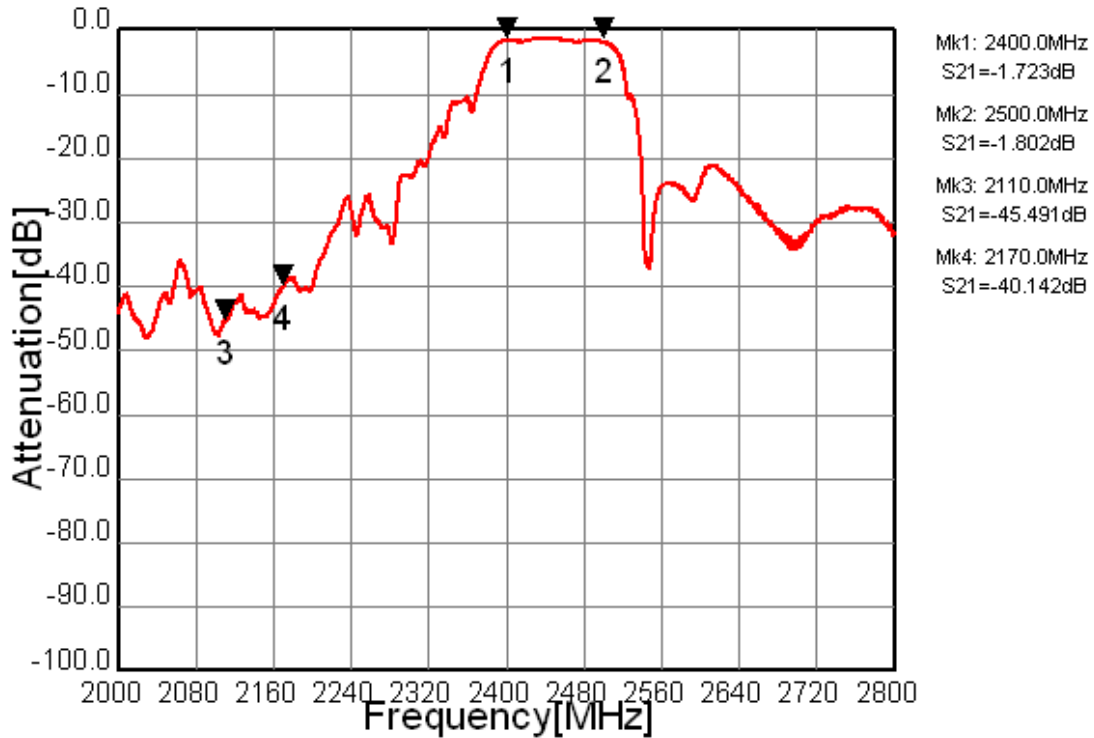


Figure 1. Pass-band Characteristics

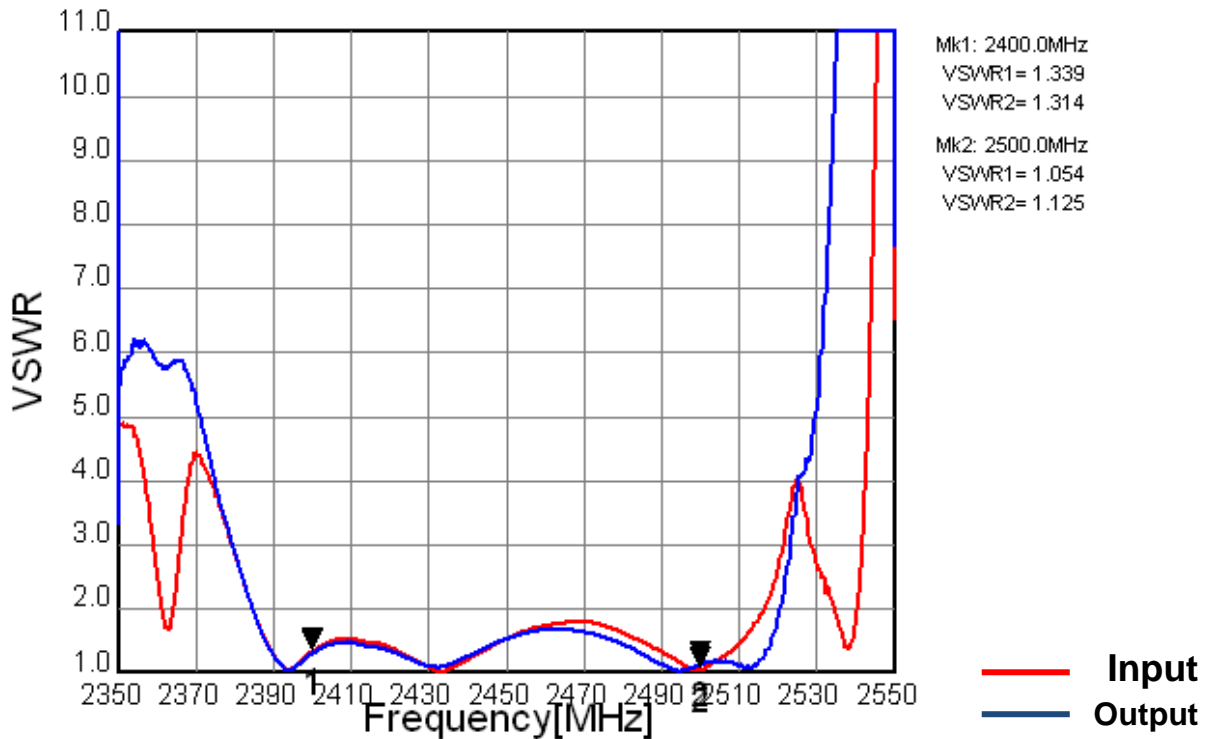


Figure 2. VSWR



MSL1

*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	W-LAN	DATE	Aug. 20, 2010
Part Number	FAR-F6KA-2G4500-A4VD	Version 2.0b	Final

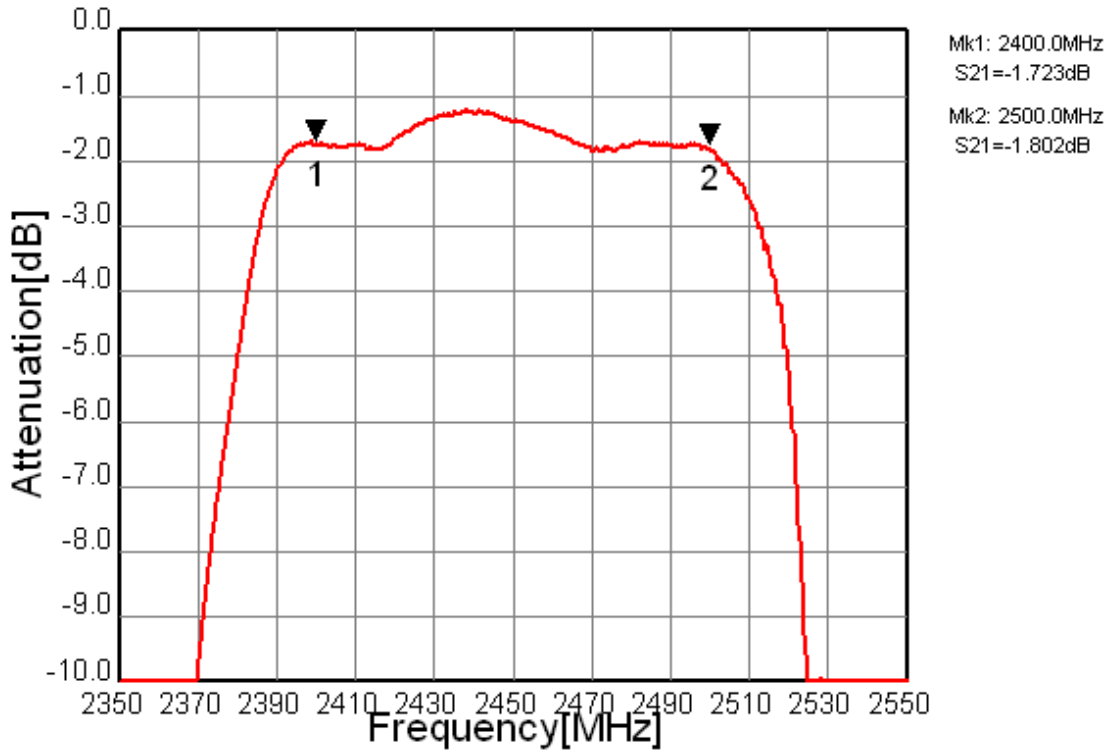


Figure 3. In-band Characteristics

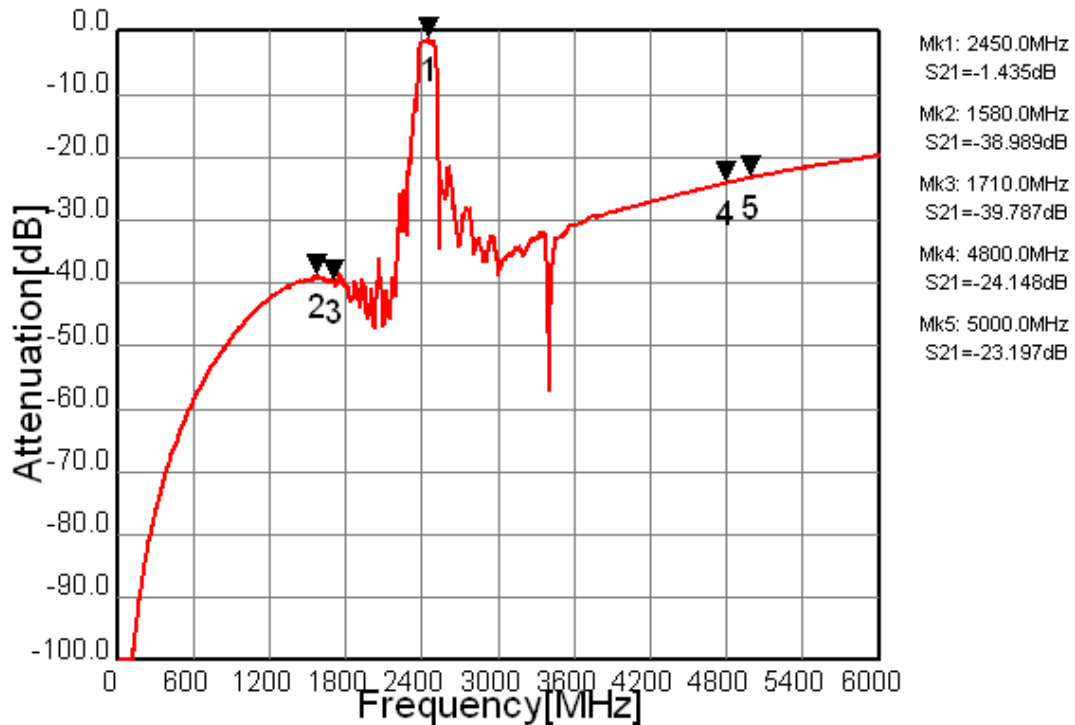


Figure 4. Wide-band Characteristics



MSL1

*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	W-LAN	DATE	Aug. 20, 2010
Part Number	FAR-F6KA-2G4500-A4VD	Version 2.0b	Final

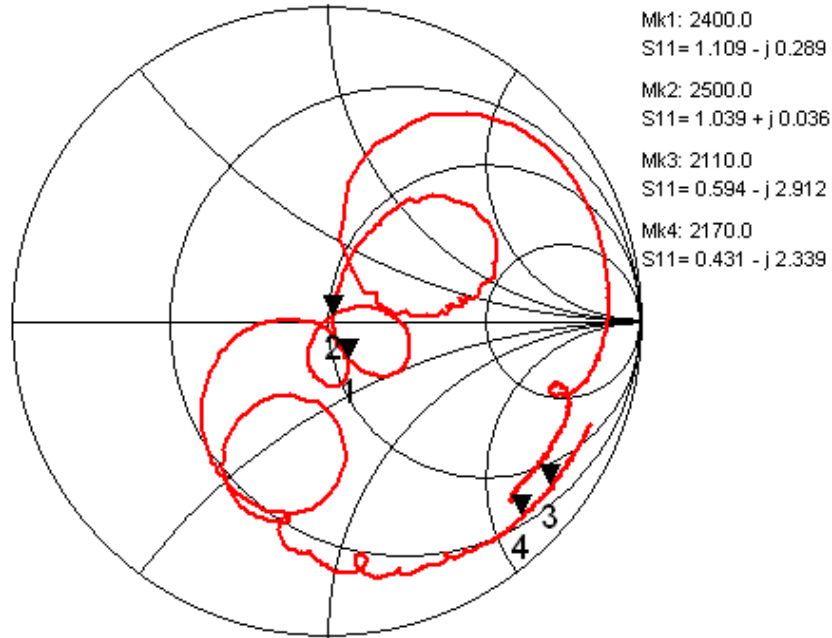


Fig.5 Input Impedance

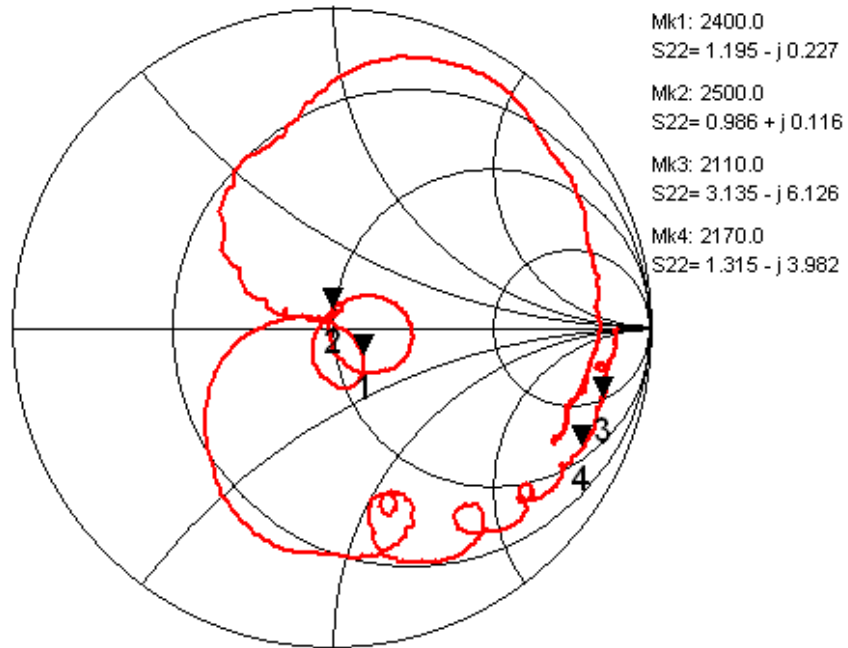


Fig.6 Output Impedance