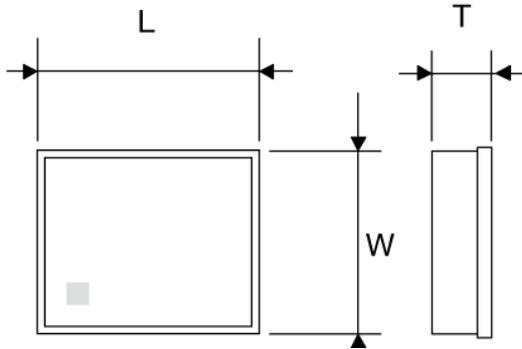


SAW Filter

F5KA942M5D4MYB



■ Features

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

■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B8
Use	WCDMA / LTE
Transmitting / Receiving	Rx Filter
Insertion Loss	1.9dB
Attenuation	53dB
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	1.4mm +0.1:-0.1
W	1mm +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	Band8 Rx (50/50ohm Unbalance)	DATE	Jan. 25, 2012
Part Number	F5KA942M5D4MYB	Version 1.0b	Final

Table 1. Electrical specifications

Passband: 925 ~ 960 MHz						
Item	Condition	Specification				Remark
		Min.	Typ.	Max.	Unit	
Insertion Loss	927.4 - 957.6 MHz	-	1.9	2.5	dB ^(*1)	
Ripple	927.4 - 957.6 MHz	-	0.8	1.5	dB	
Absolute Attenuation	DC - 880 MHz	50	62	-	dB	
	880 - 912.6 MHz	46	53	-	dB	
	980 - 1025 MHz	22	26	-	dB	
	1025 - 2880 MHz	33	42	-	dB	
	2880 - 4000 MHz	34	46	-	dB	
	4000 - 6000 MHz	8	19	-	dB	
VSWR(Input)	927.4 - 957.6 MHz	-	2.0	2.5		
VSWR(Output)	927.4 - 957.6 MHz	-	2.0	2.5		
Input Impedance		50			Ohm	
Output Impedance		50			Ohm	
Device Size	-	1.4typ.x1.0typ.x0.5max.			°C	
Operating temp.	-	-30 ~ +85			°C	

(*1) These data include loss that comes from the test board.



* Pb Free Part

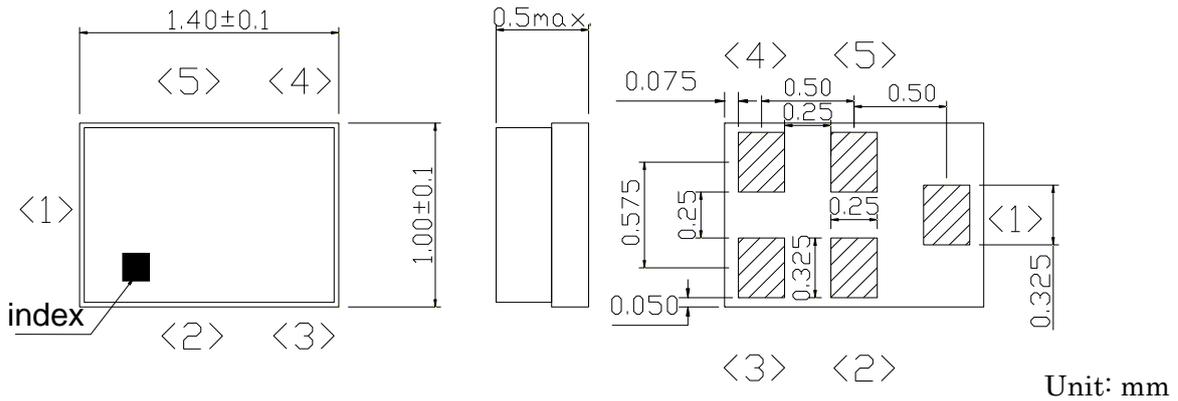


MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Rx (50/50ohm Unbalance)	DATE	Jan. 25, 2012
Part Number	F5KA942M5D4MYB	Version 1.0b	Final

Dimension

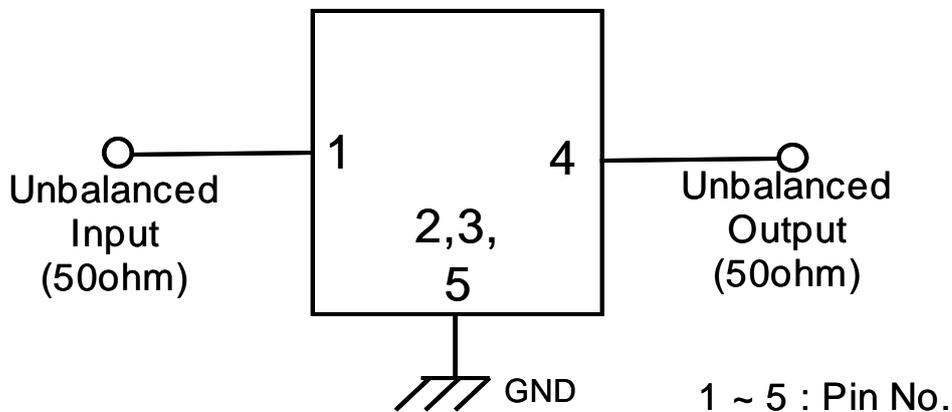
Device size: 1.4mmtyp. x 1.0mmtyp. x 0.5max.



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





* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Rx (50/50ohm Unbalance)	DATE	Jan. 25, 2012
Part Number	F5KA942M5D4MYB	Version 1.0b	Final

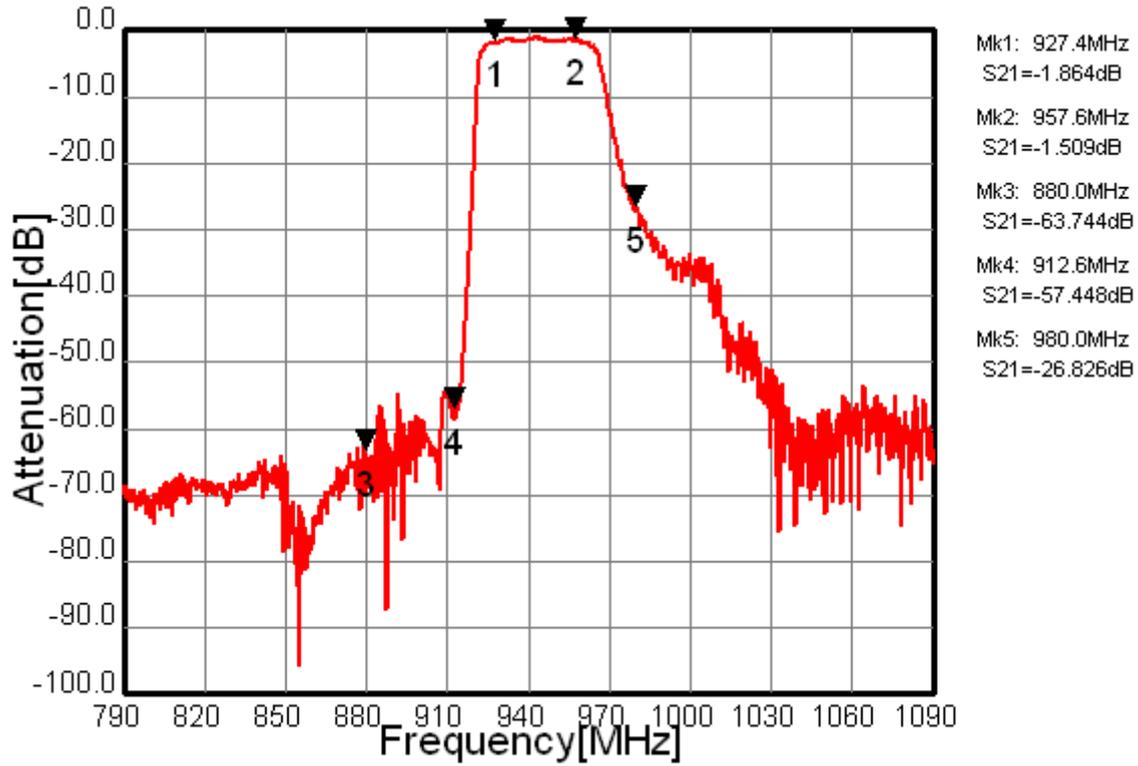


Fig.1 Pass-band Characteristics

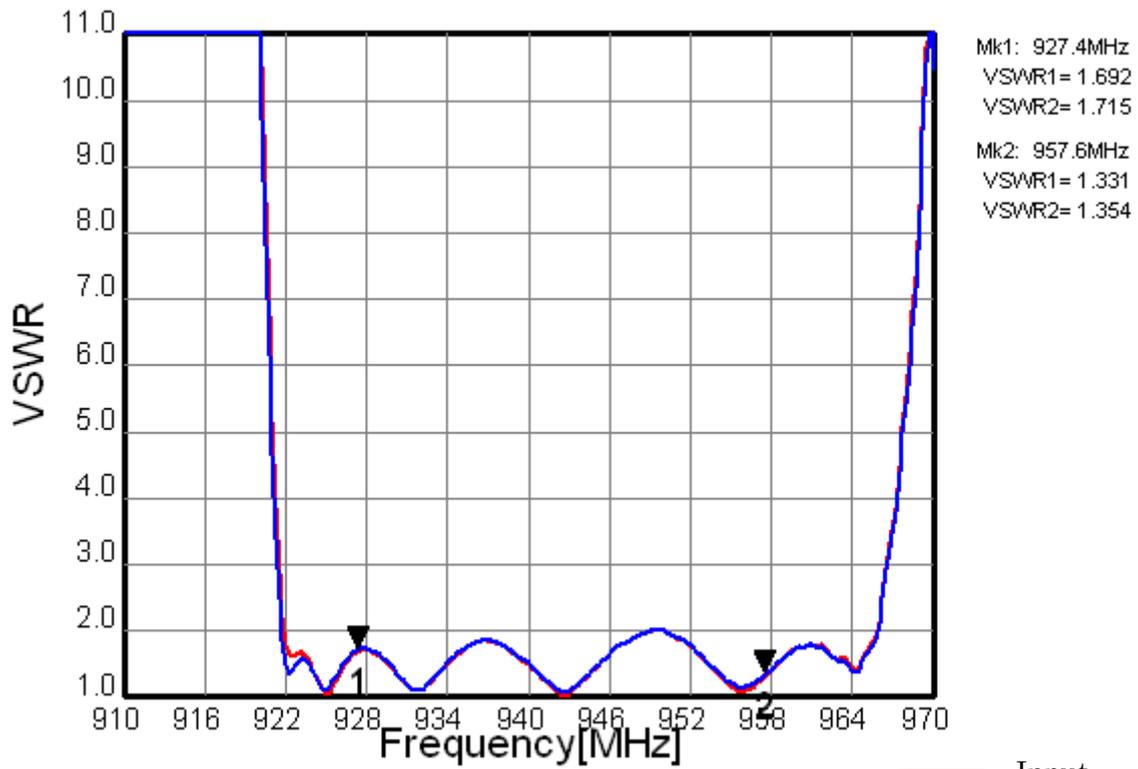


Fig.2 VSWR

— Input
— Output

TAIYO YUDEN



* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Rx (50/50ohm Unbalance)	DATE	Jan. 25, 2012
Part Number	F5KA942M5D4MYB	Version 1.0b	Final

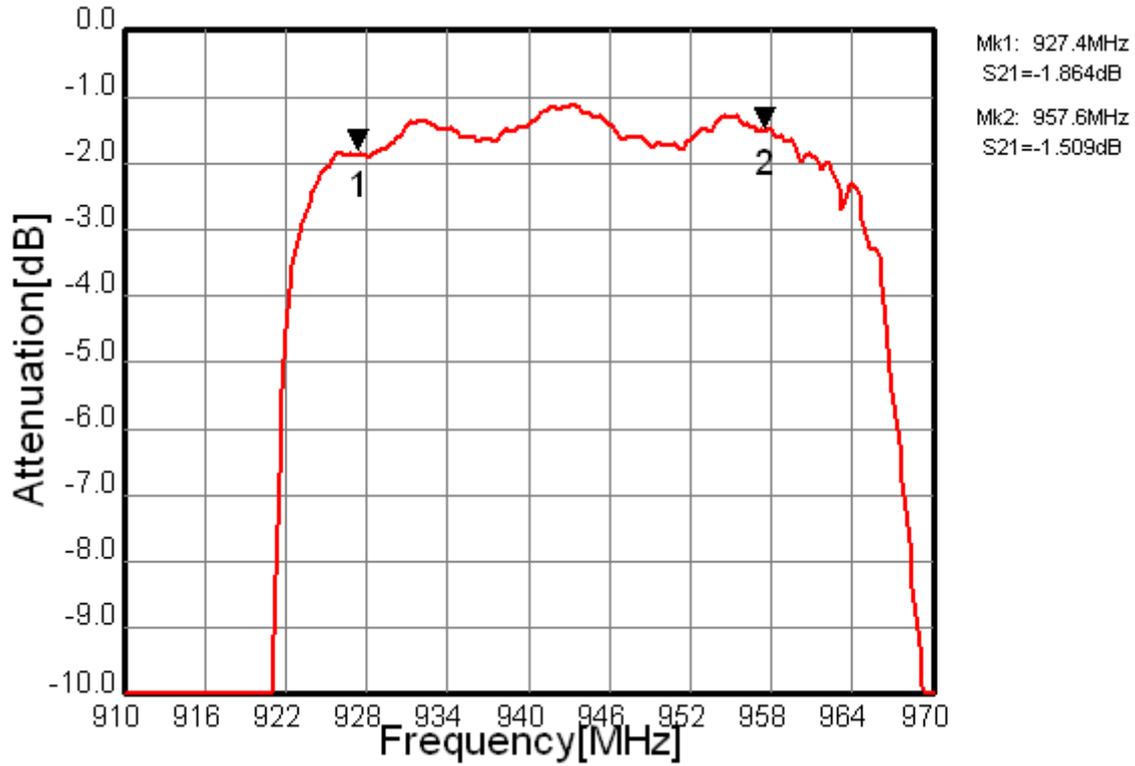


Fig.3 In-band Characteristics

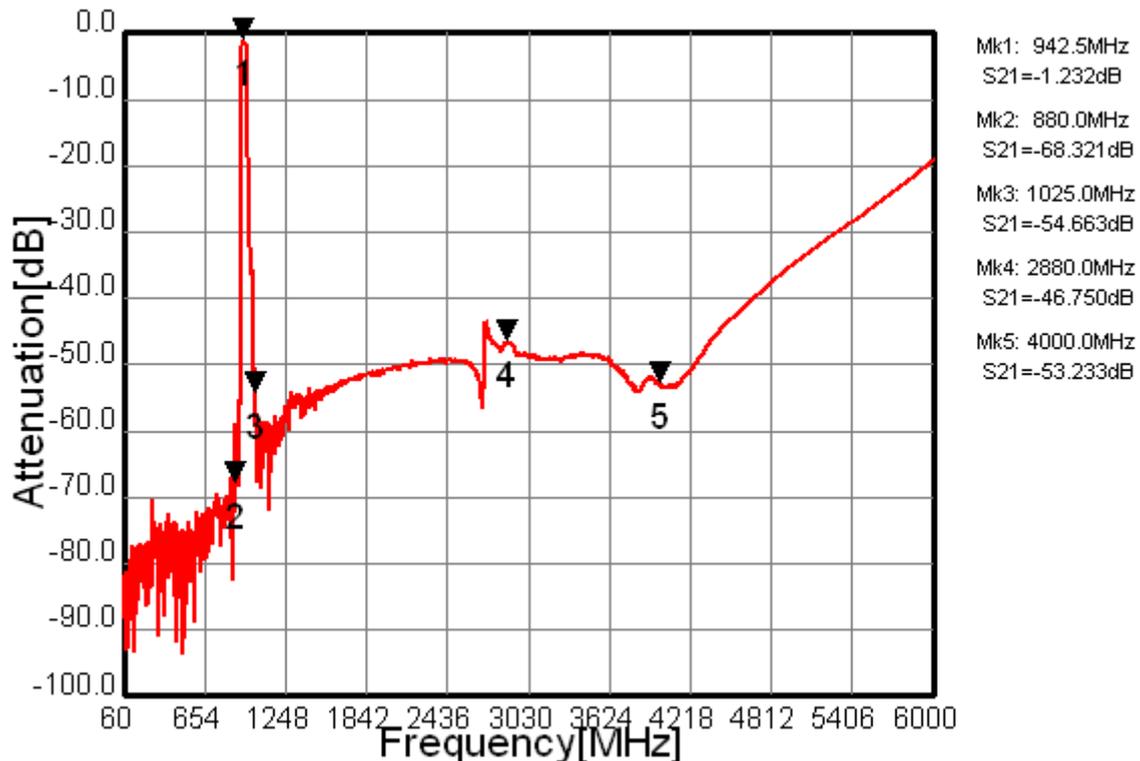


Fig.4 Wide-band Characteristics



* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Rx (50/50ohm Unbalance)	DATE	Jan. 25, 2012
Part Number	F5KA942M5D4MYB	Version 1.0b	Final

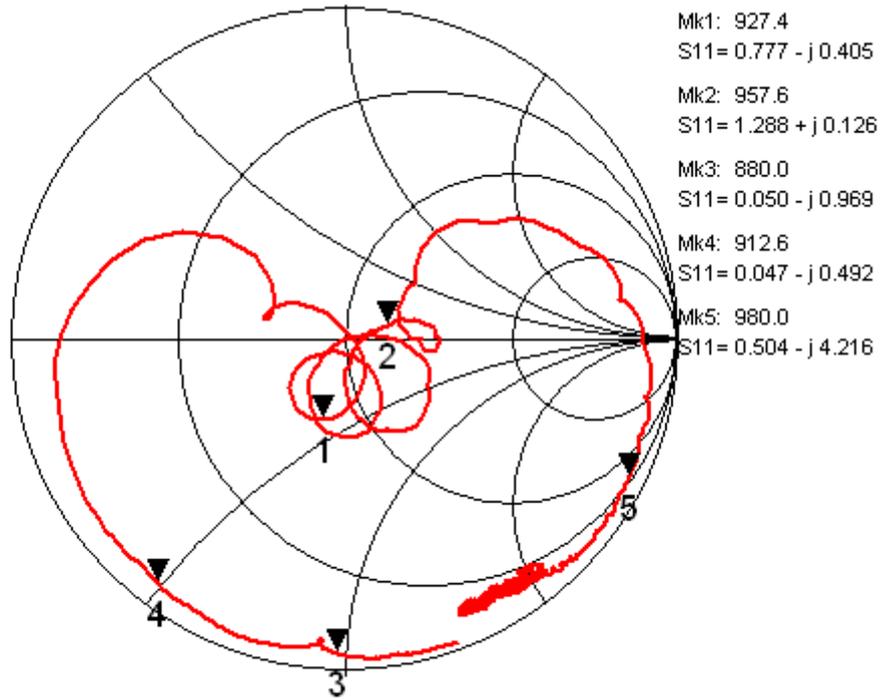


Fig.5 Input Impedance

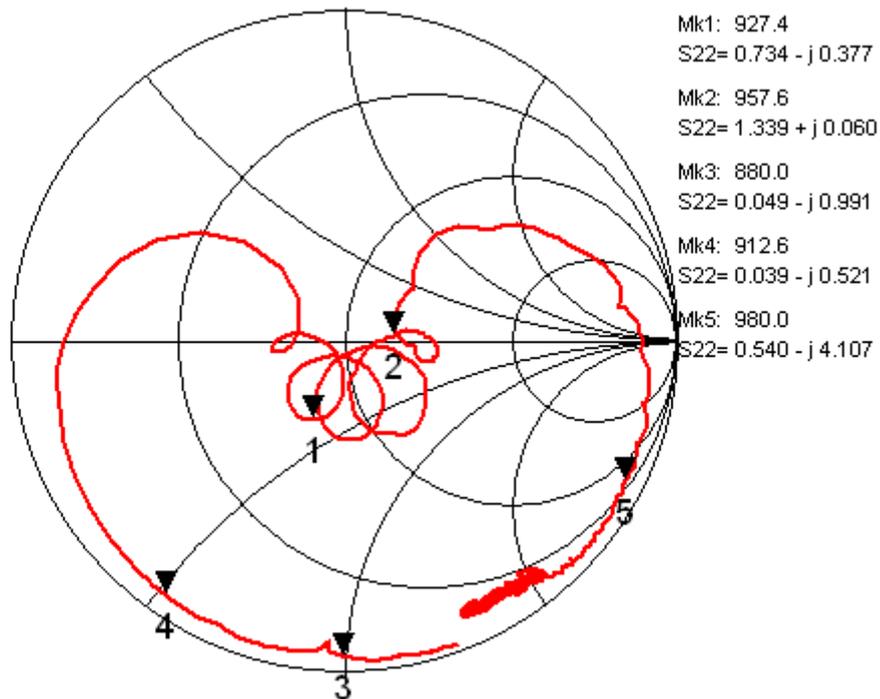


Fig.6 Output Impedance



* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Rx (50/50ohm Unbalance)	DATE	Jan. 25, 2012
Part Number	F5KA942M5D4MYB	Version 1.0b	Final

Ordering Code

Ordering Code	Packing	Reel size	Status
F5KA942M5D4MYBZ	Tape & Reel	3,000pcs.	MP
F5KA942M5D4MYBZA	Tape & Reel	less than 3,000 pcs.	MP
F5KA942M5D4MYBY	Tape & Reel	15,000pcs	MP
F5KA942M5D4MYBQ	Bulk	few pcs.	MP

*Minimum order quantity (MOQ) is assigned for each inquiry, Please contact to Sales Representatives.

*MP : Mass Production

Notice

All of the contents specified herein are subject to change without notice due to technical improvements, etc.

Please contact Taiyo Yuden Co., Ltd. for further details of product specifications.

Please conduct validation and verification of products in actual condition of mounting and operating environment before commercial shipment of the equipment.