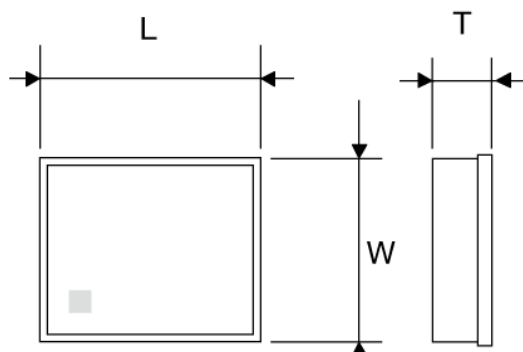


SAW Filter

F6KA2G535L4AM



■ Features

- Item Summary
W-CDMA / 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)	B7
Use	WCDMA / LTE
Transmitting / Receiving	Tx Filter
Insertion Loss	1.6dB
Attenuation	30dB
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.



*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7 Tx (50/50ohm Unbalance)	DATE	July. 22, 2010
Part Number	F6KA2G535L4AM	Version 2.2b	Final

Table 1 Electrical Specification

Passband : 2500 ~ 2570 MHz						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	2500 - 2570	-	1.6	2.5	dB	*1
Ripple in passband	2500 - 2570	-	0.4	1.3	dB	
Absolute attenuation	50 - 2400	20	23	-	dB	
	2400 - 2460	15	30	-	dB	
	2620 - 2690	30	35	-	dB	
	3000 - 5000	20	28	-	dB	
	5000 - 6000	10	27	-	dB	
VSWR(Input)	2500~ 2570	-	1.5	2.0	-	
VSWR(Output)	2500~ 2570	-	1.4	2.0	-	
Input Impedance	Unbalanced	-	50//4.3nH	-	ohm	
Output Impedance	Unbalanced	-	50//4.7nH	-	ohm	
Operating temperature		-30~+85			°C	
Device size		1.4typ. x 1.0typ. x 0.5max.			mm	

*1:Specification of insertion loss includes loss that comes from the test board.(0.15dB)

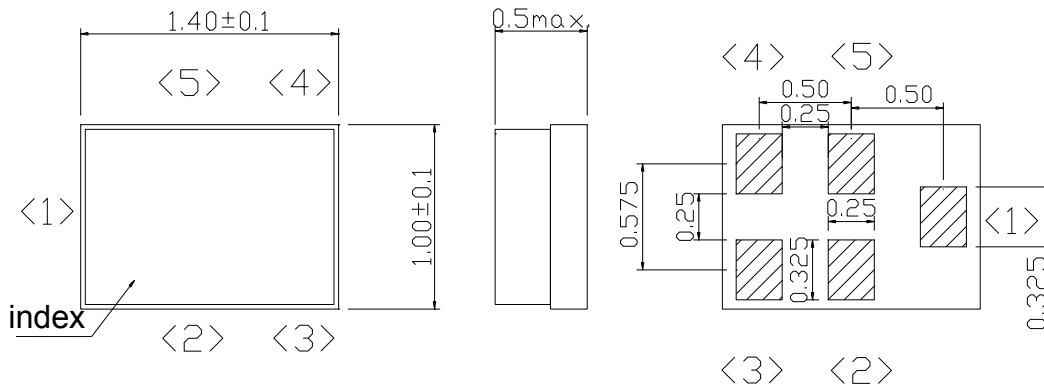


*Pb Free part

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System	Band7 Tx (50/50ohm Unbalance)	DATE	July. 22, 2010
Part Number	F6KA2G535L4AM	Version 2.2b	Final

Dimension

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

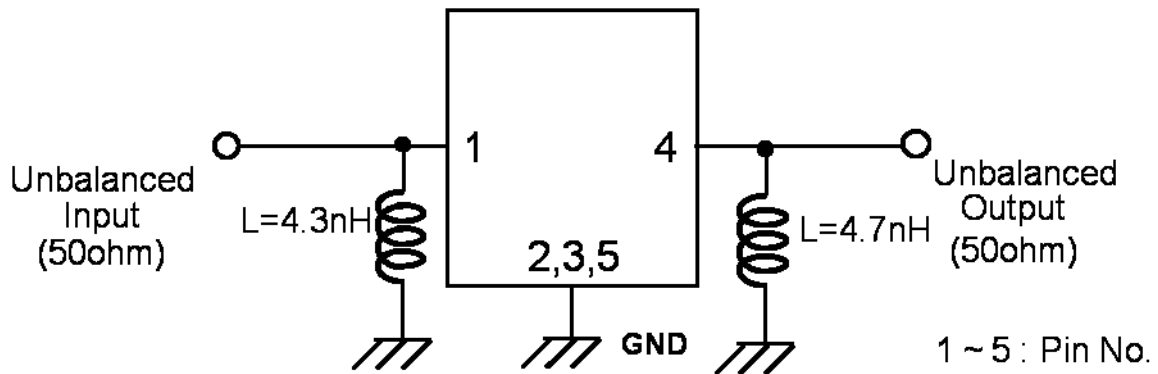


Unit: mm

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





*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
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Part Number	F6KA2G535L4AM	Version 2.2b	Final

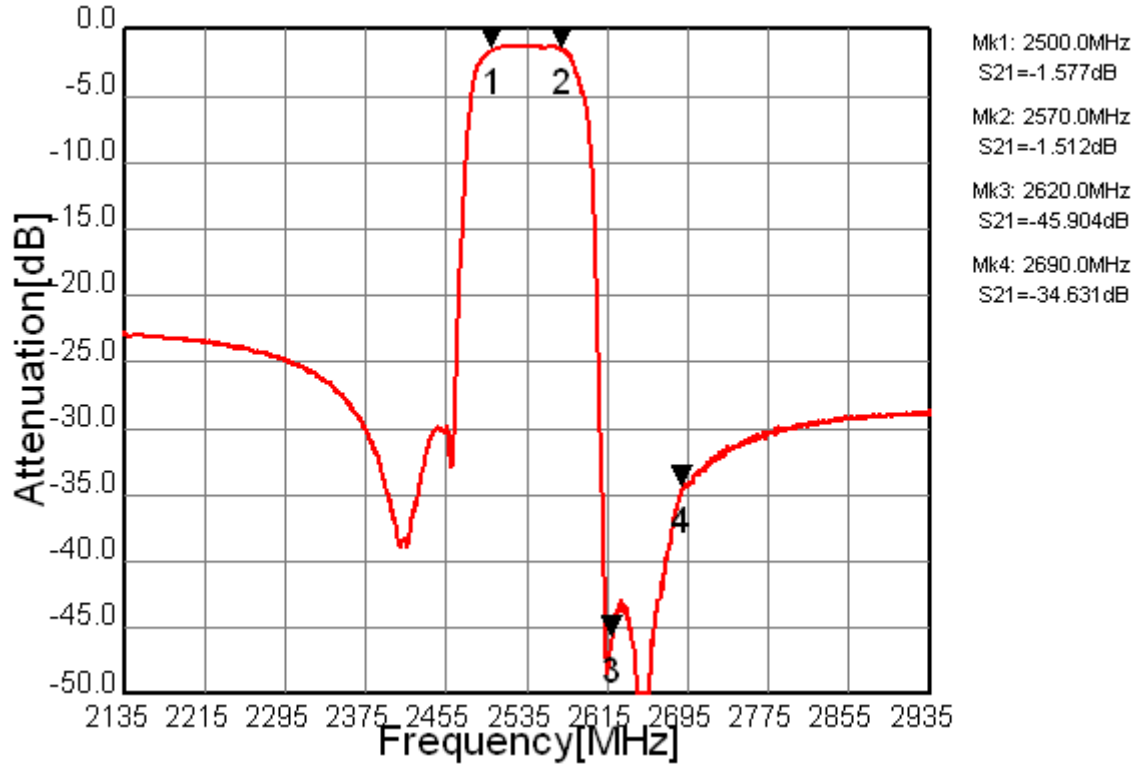


Fig.1 Pass-band Characteristics

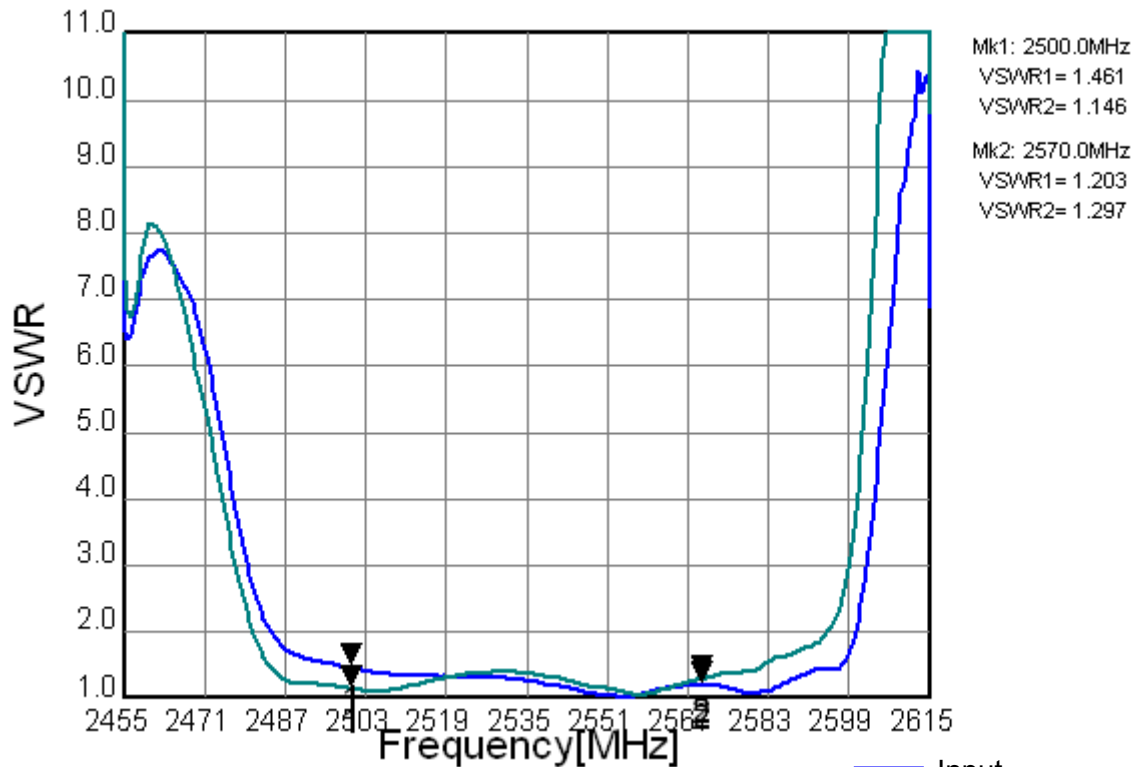


Fig.2 VSWR

— Input
— Output



*Pb Free part

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Fig.3 In-band Characteristics

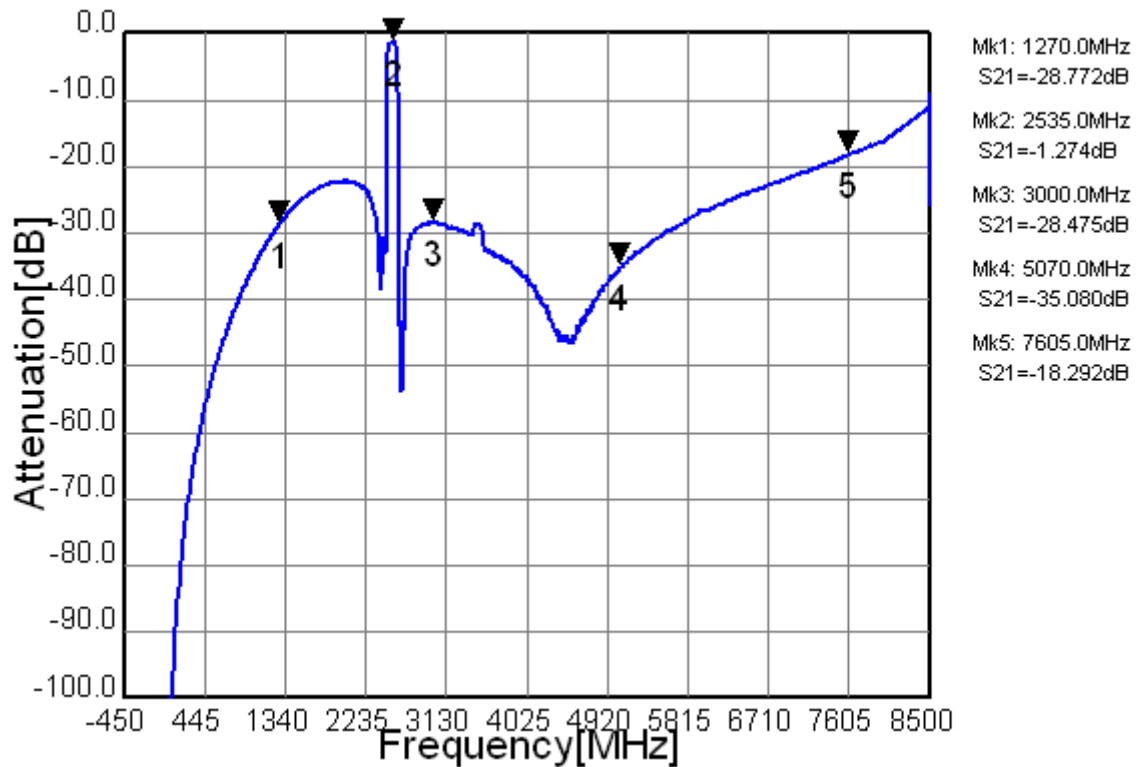


Fig.4 Wide-band Characteristics



*Pb Free part

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System	Band7 Tx (50/50ohm Unbalance)	DATE	July. 22, 2010
Part Number	F6KA2G535L4AM	Version 2.2b	Final

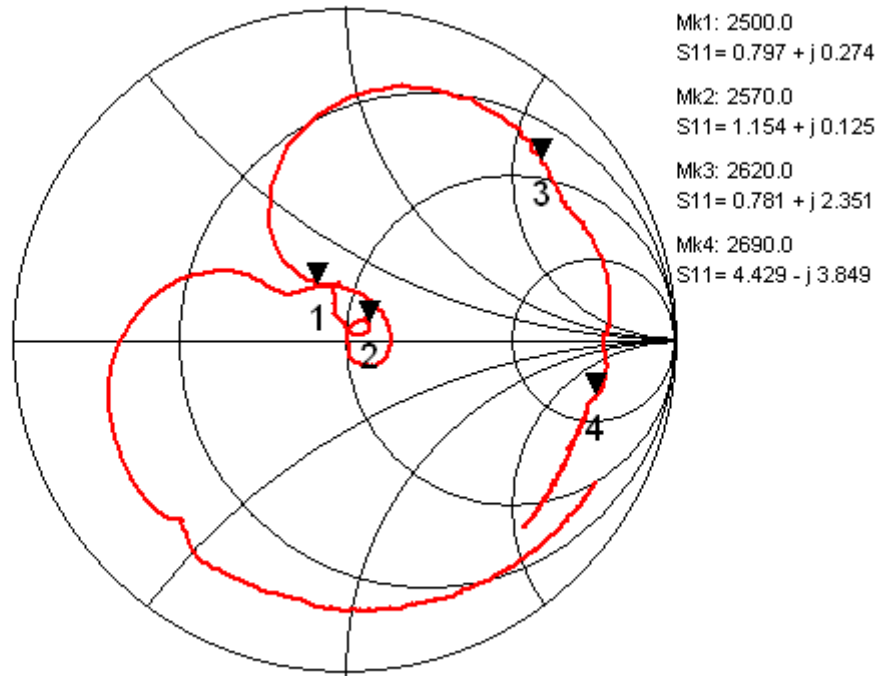


Fig.5 Input impedance

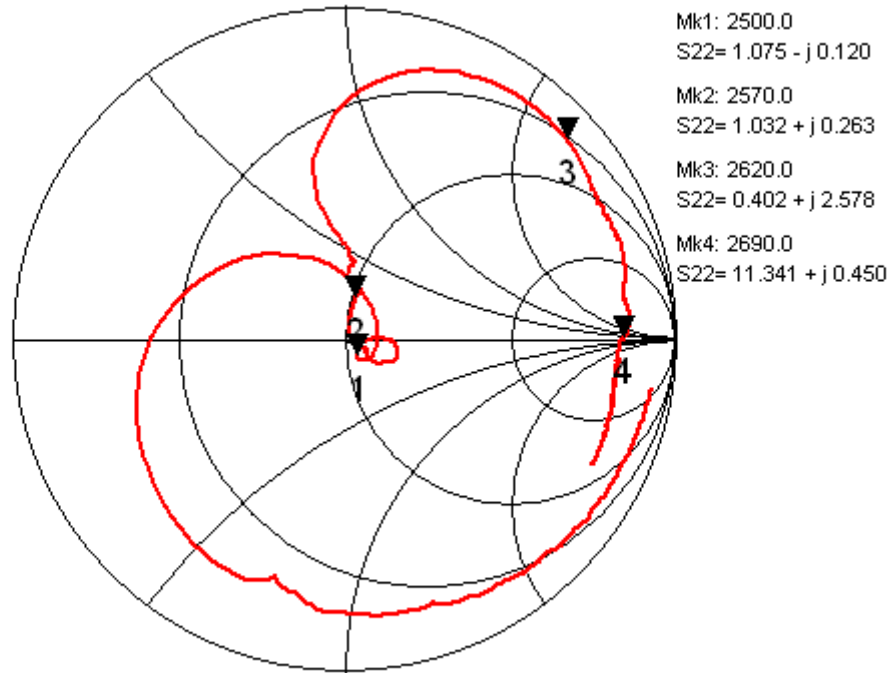


Fig.6 Output impedance



*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7 Tx (50/50ohm Unbalance)	DATE	July. 22, 2010
Part Number	F6KA2G535L4AM	Version 2.2b	Final

Ordering Code

Ordering Code	Packing	Reel size	Status
F6KA2G535L4AM-Z	Tape & Reel	3,000pcs.	MP
F6KA2G535L4AM-ZA	Tape & Reel	less than 3,000 pcs.	MP
F6KA2G535L4AM-Y	Tape & Reel	15,000pcs	MP
F6KA2G535L4AM-Q	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.