



\*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)

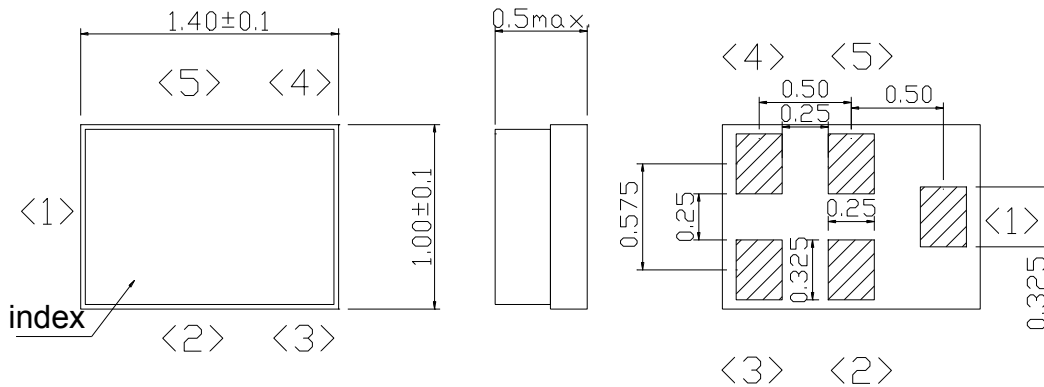


\*Pb Free part

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

**Dimension**

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

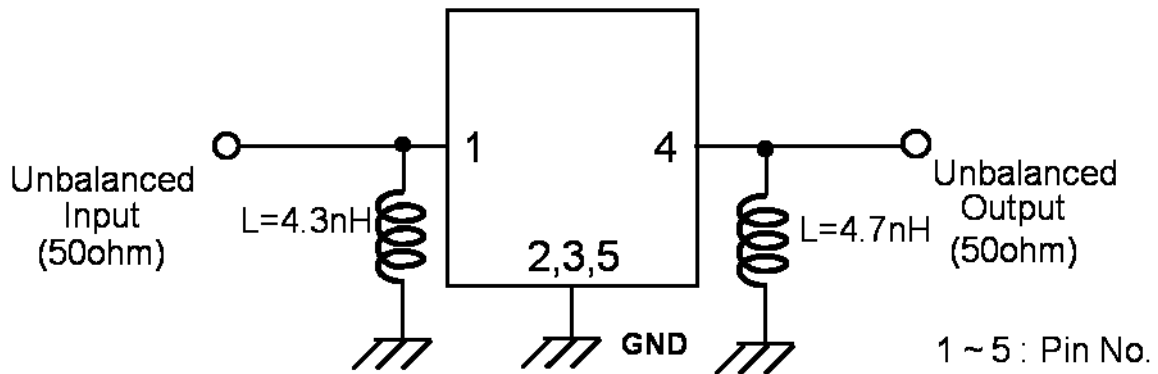


Unit: mm

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

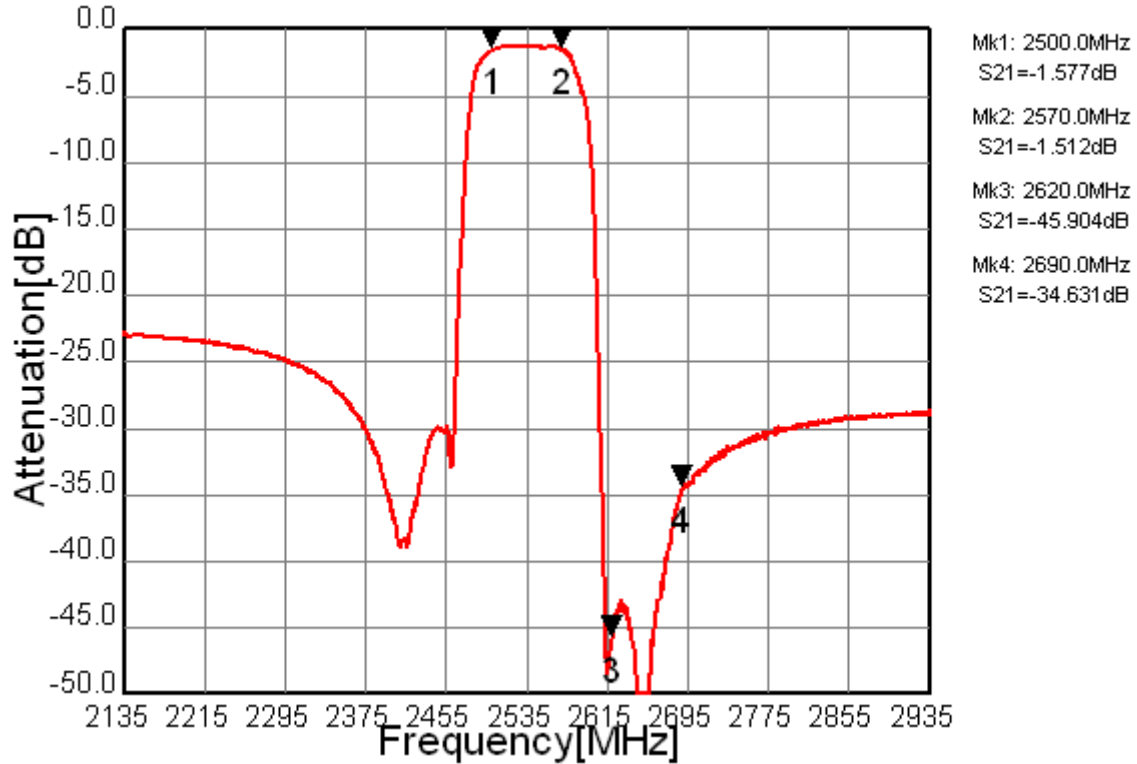


Fig.1 Pass-band Characteristics

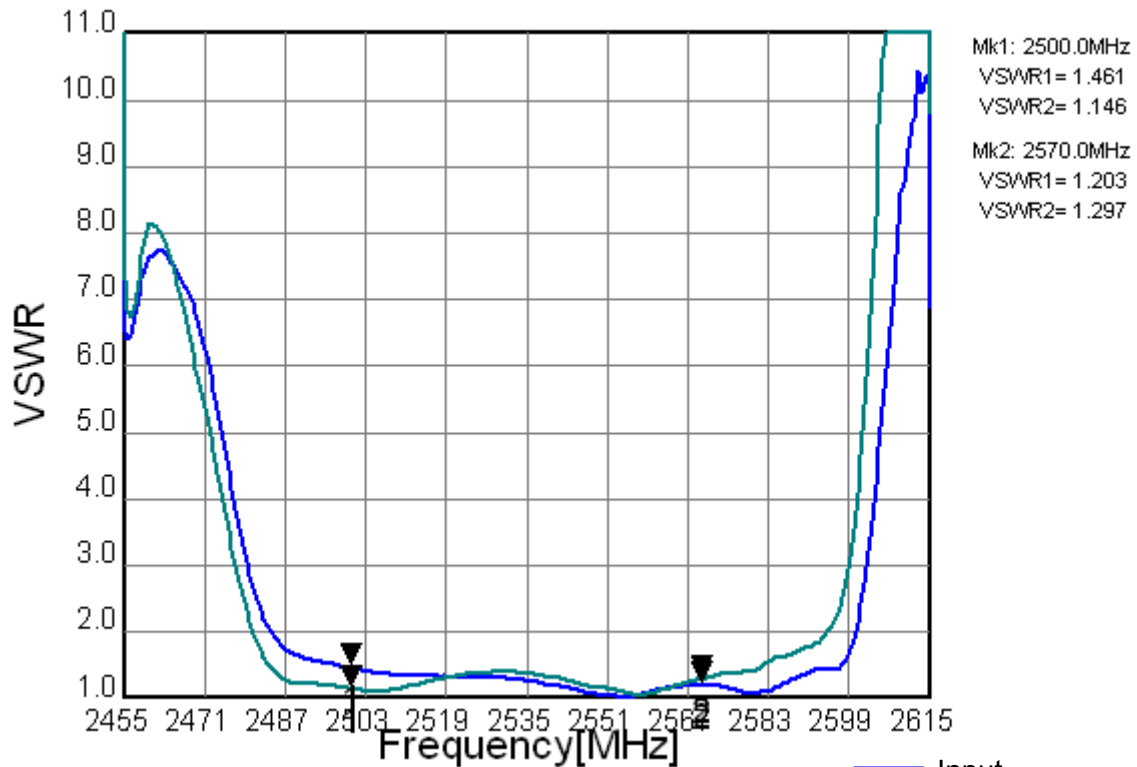


Fig.2 VSWR

— Input  
— Output



\*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



Fig.3 In-band Characteristics

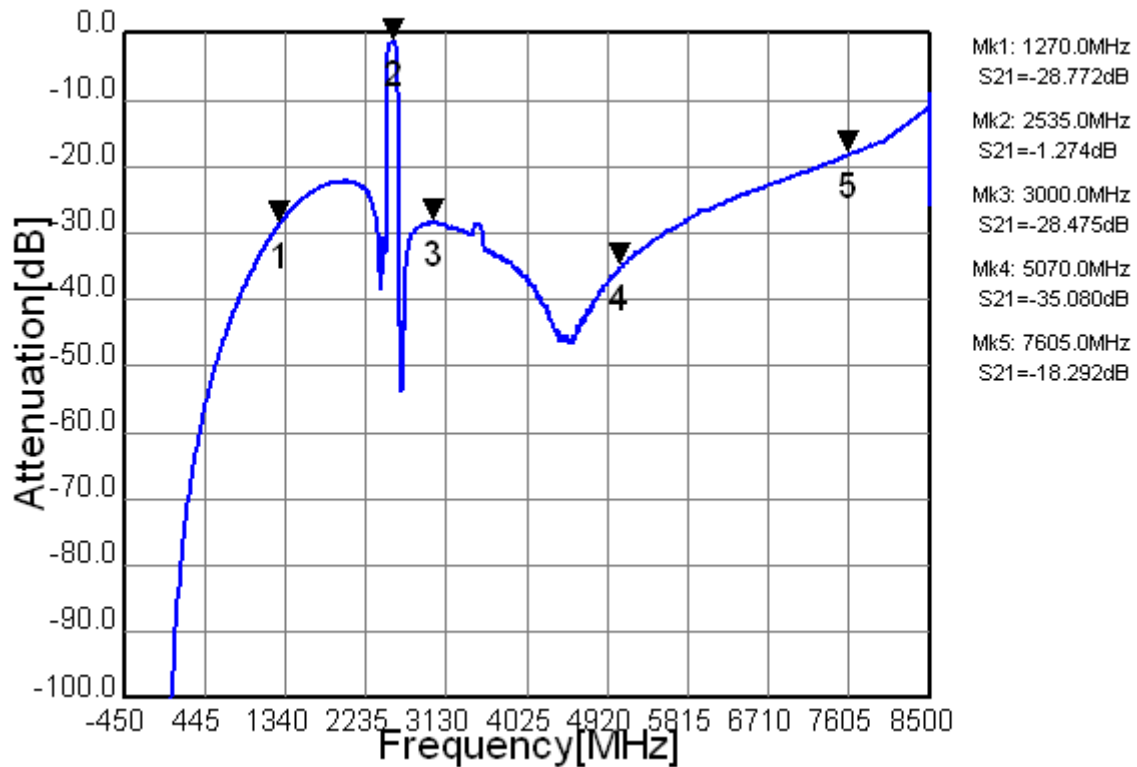
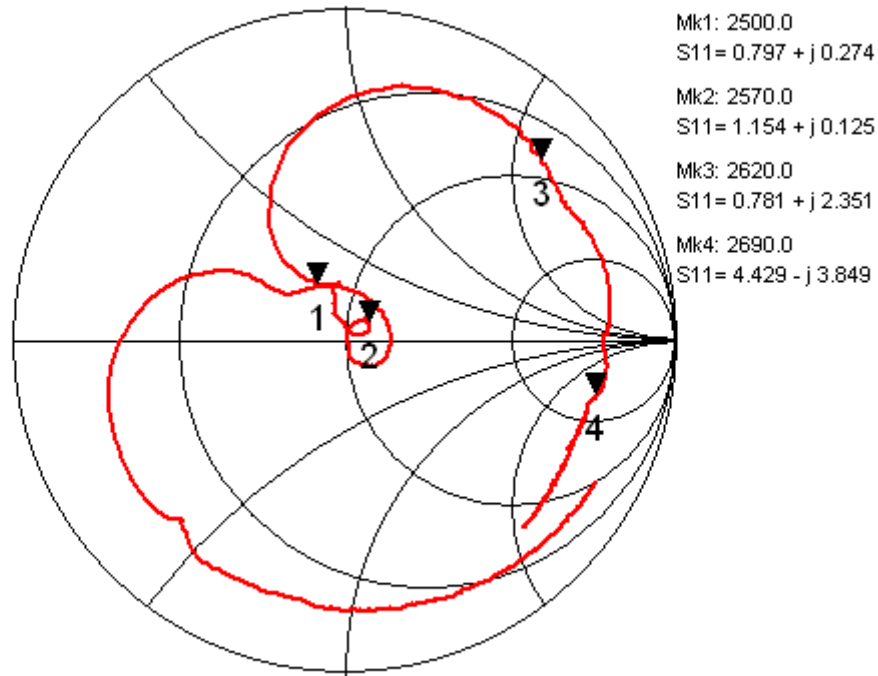


Fig.4 Wide-band Characteristics

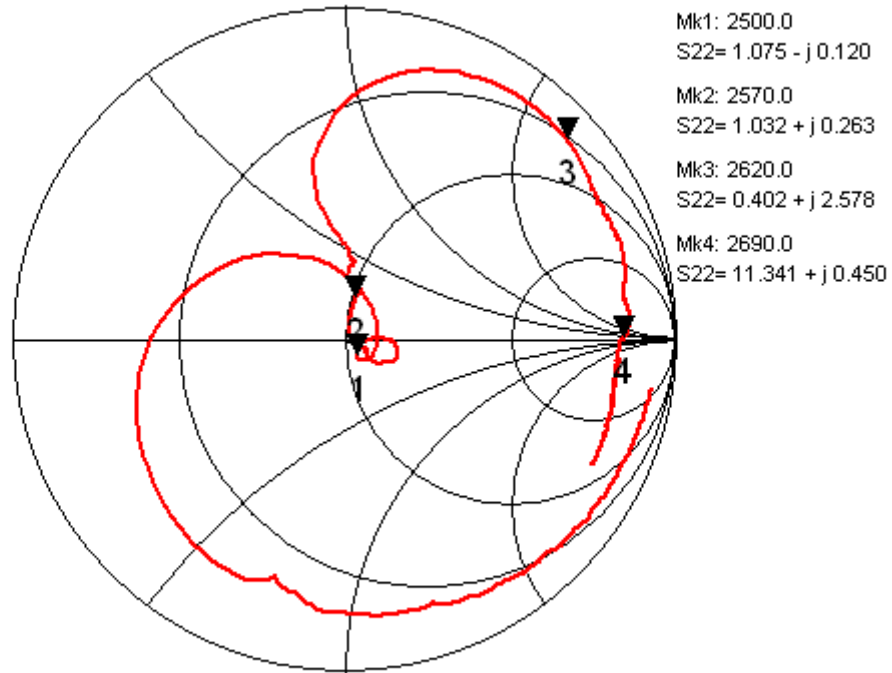


\*Pb Free part

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



**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.