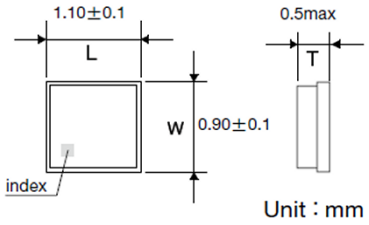
Spec Sheet

FBAR/SAW Devices (SAW Type)

F6QA2G635M2QH



Unit : mm

Features

- Item Summary

  SAW, Rx Type, 1.1x0.9x0.5mm

  Band 7

- Lifecycle Stage

  Mass Production

- Standard packaging quantity (minimum)

  Taping Embossed 5000 , 15000pcs

Products characteristics table

System	W-CDMA / LTE
Type	SAW
Function	Rx Type
band	Band 7
Insertion Loss (typ)	2.5 dB
Attenuation (typ)	38 dB
Operating Temp. Range	-30 to +85 ℃
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (168 subst.)	Yes
Soldering	Reflow

External Dimensions

Dimension L	1.1 ±0.10 mm
Dimension W	0.9 ±0.10 mm
Dimension T	Max 0.5 mm

2016.11.21

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 RoHS MSL1

*Pb Free part

Customer Name	**Standard Specification**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7-Rx	DATE	Dec. 03, 2013
Part Number	F6QA2G655M2QH	Version 2.0bA	Final

Table 1 Filter1 Electrical Specification

Pass Band : 2620 ~ 2690 MHz						
Item	Condition (MHz)	Specifications			Units	Remarks
		Min.	Typ.	Max.		
Insertion Loss(*1)	2620 - 2690	-	2.5	3.0	dB	
Ripple	2620 - 2690	-	0.8	1.5	dB	
VSWR (Input)	2620 - 2690	-	1.6	2.0	-	
VSWR (output)	2620 - 2690	-	1.8	2.2	-	
Absolute attenuation	1 – 2400	30	36	-	dB	
	45	50	65	-	dB	
	2400 – 2500	32	37	-	dB	
	2500 - 2570	35	38	-	dB	
	2570 – 2600	2	4	-	dB	
	2775 – 6000	15	30	-	dB	
	7620 – 7830	15	25	-	dB	
	7860 – 8000	15	24	-	dB	
Input impedance	-	50 // 5.1nH			Ohm	
Output impedance	-	50 // 5.1nH			Ohm	
Temperature range	-	-30 to +85			^{o}C	
Package size	-	1.1typ. x 0.9typ. x 0.5max			mm	

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

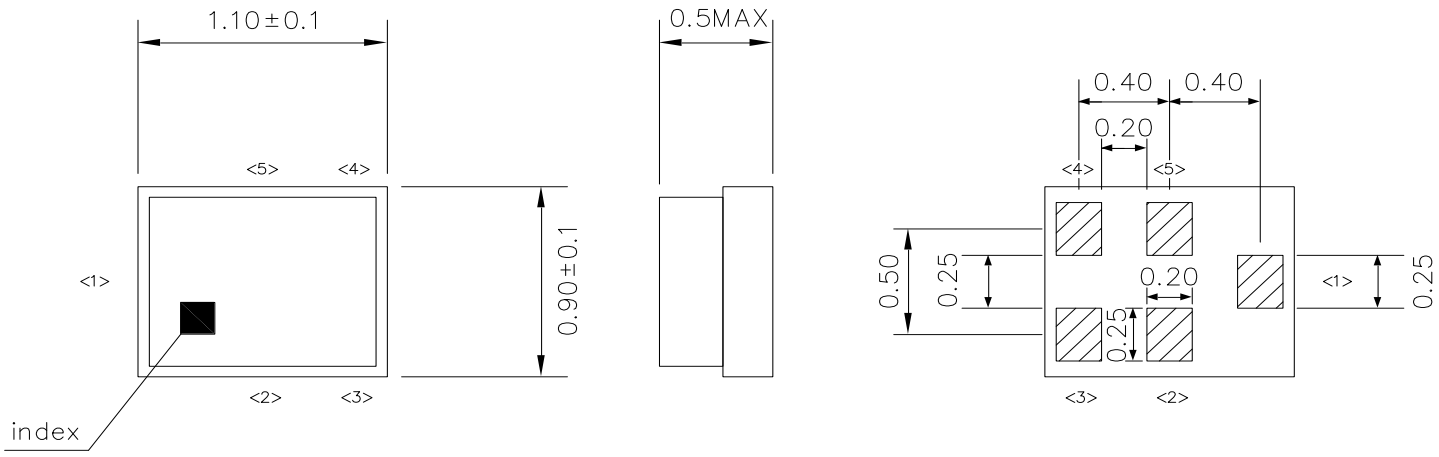
Pb-free RoHS MSL1

*Pb Free part

Customer Name	**Standard Specification**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7-Rx	DATE	Dec. 03, 2013
Part Number	F6QA2G655M2QH	Version 2.0bA	Final

Dimensions

Device size: 1.1typ. x 0.9typ. x 0.5max.

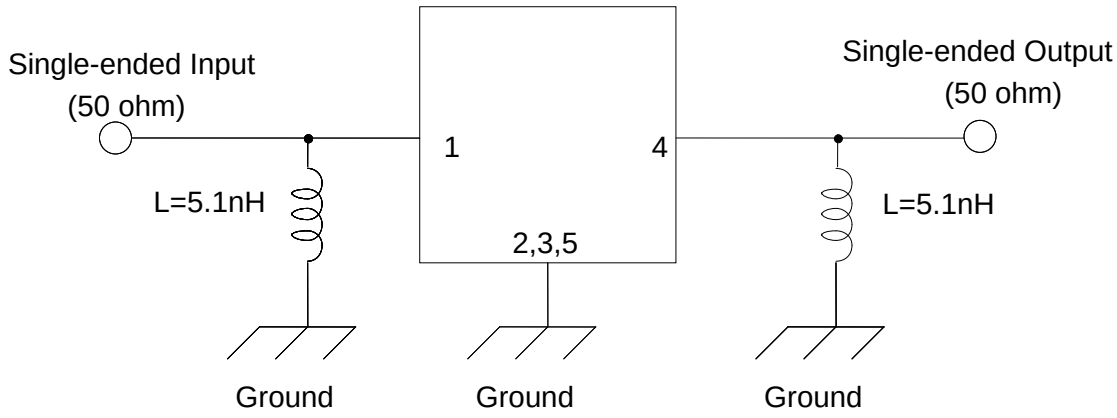


Unit : mm

Pin Configuration

Pin No.	Symbol	Function
1	IN	Single-ended pin
2	GND	Ground
3	GND	Ground
4	OUT	Single-ended pin
5	GND	Ground

Evaluation Circuit



1 to 5 ; Pin No.

Pb-free RoHS MSL1

*Pb Free part

Customer Name	**Standard Specification**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7-Rx	DATE	Dec. 03, 2013
Part Number	F6QA2G655M2QH	Version 2.0bA	Final

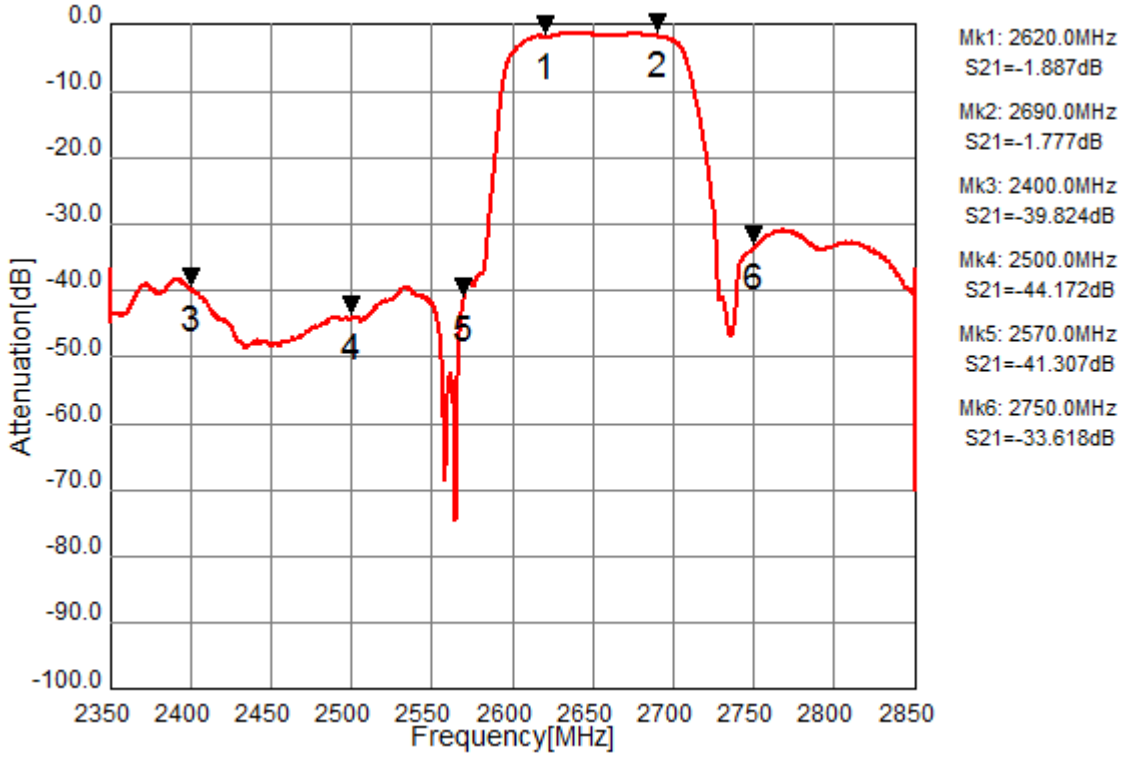


Fig.1 Pass-band Characteristic

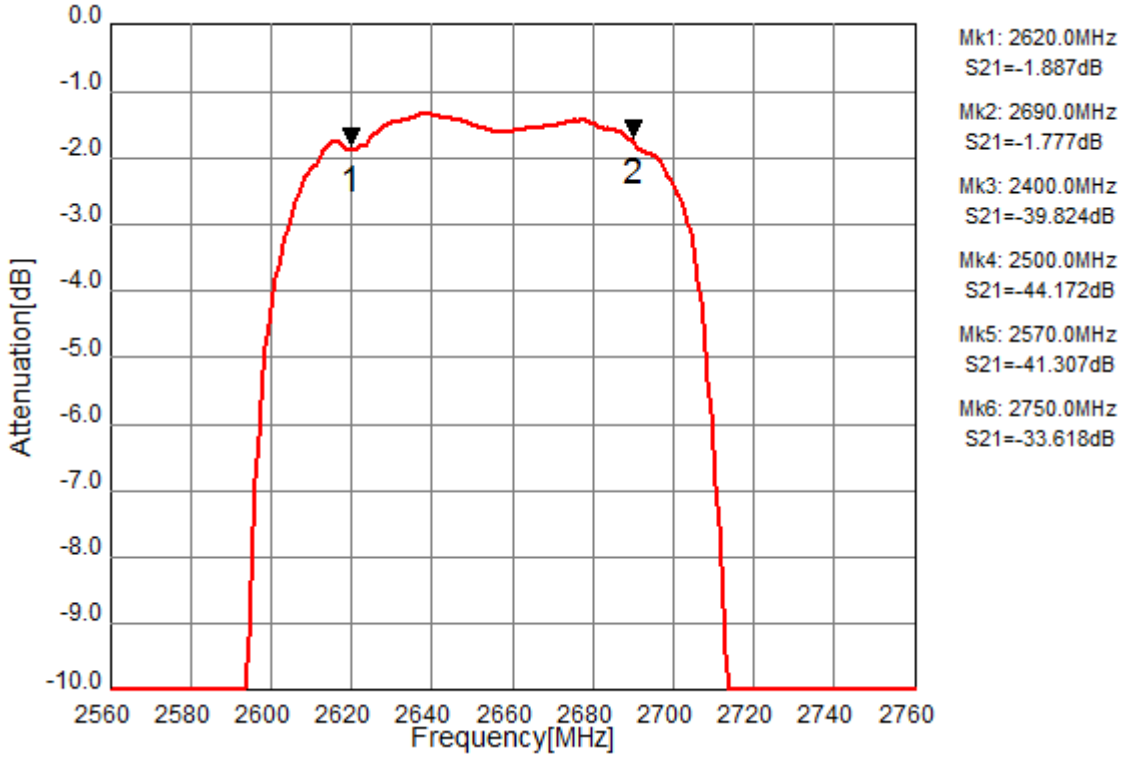


Fig.2 In-band Characteristic

Pb-free RoHS MSL1

*Pb Free part

Customer Name	**Standard Specification**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7-Rx	DATE	Dec. 03, 2013
Part Number	F6QA2G655M2QH	Version 2.0bA	Final

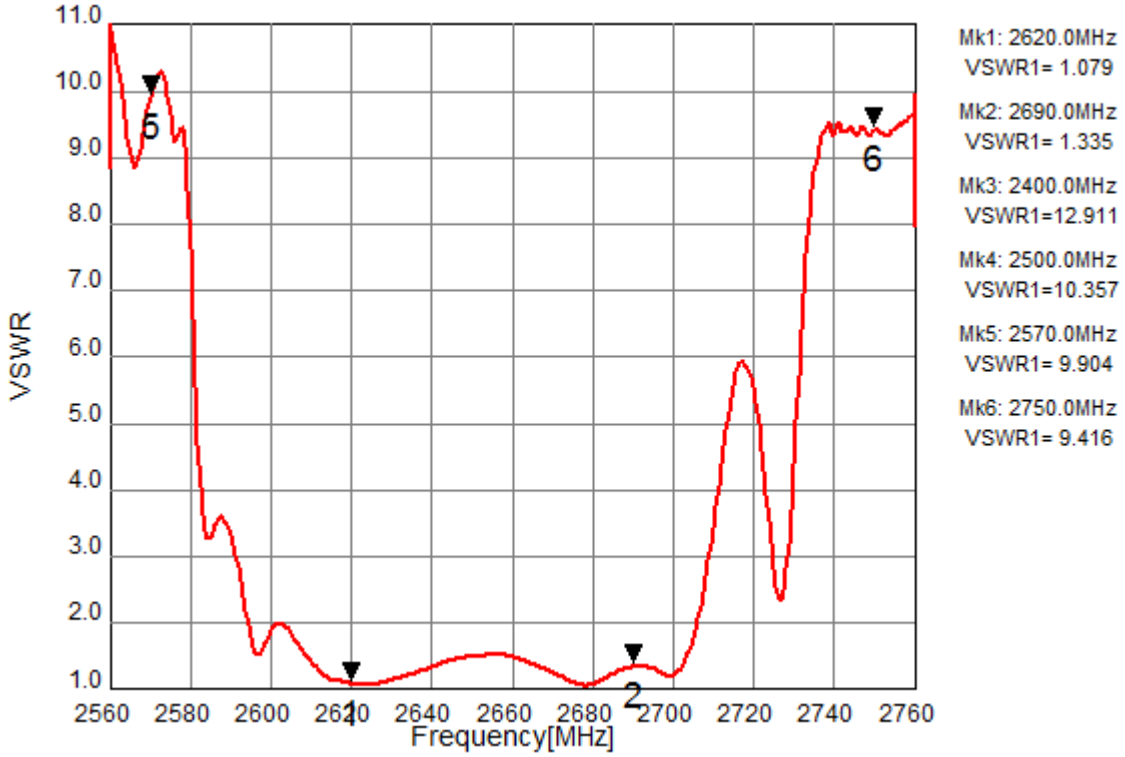


Fig.3 VSWR (INPUT)

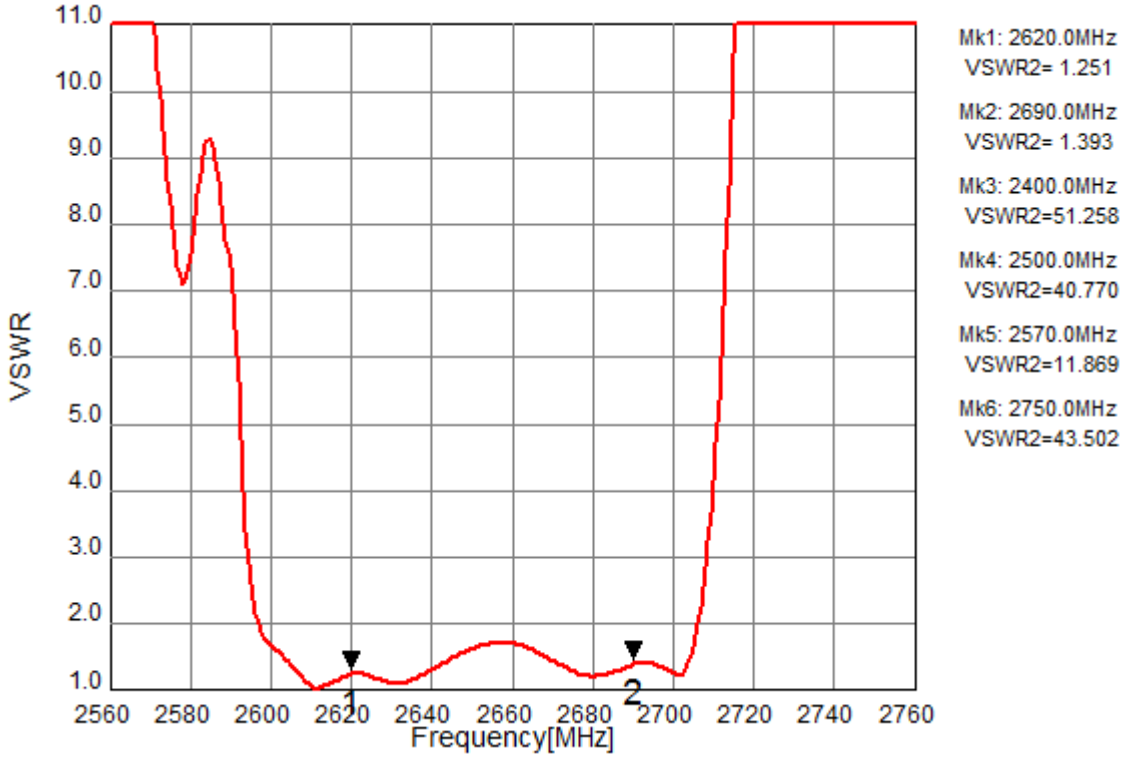


Fig.4 VSWR (OUTPUT)

Pb-free RoHS MSL1

*Pb Free part

Customer Name	**Standard Specification**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7-Rx	DATE	Dec. 03, 2013
Part Number	F6QA2G655M2QH	Version 2.0bA	Final

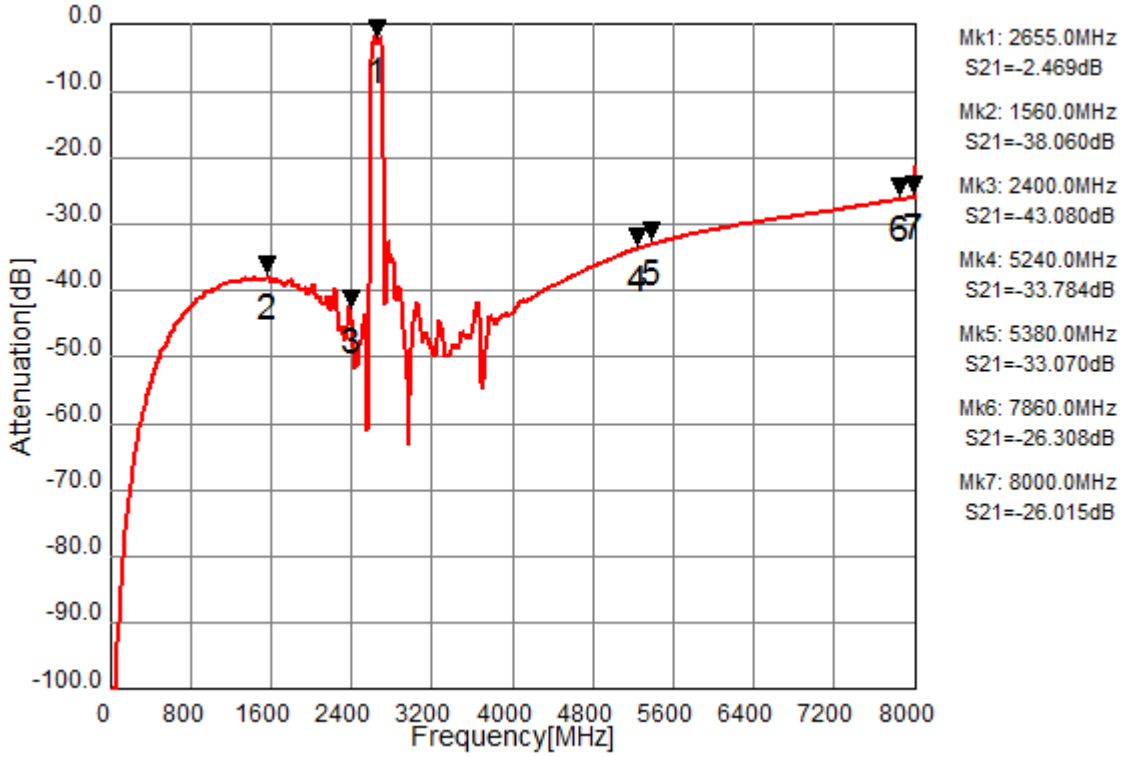


Fig.5 Wide-band Characteristic

Pb-free RoHS MSL1

*Pb Free part

Customer Name	**Standard Specification**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7-Rx	DATE	Dec. 03, 2013
Part Number	F6QA2G655M2QH	Version 2.0bA	Final

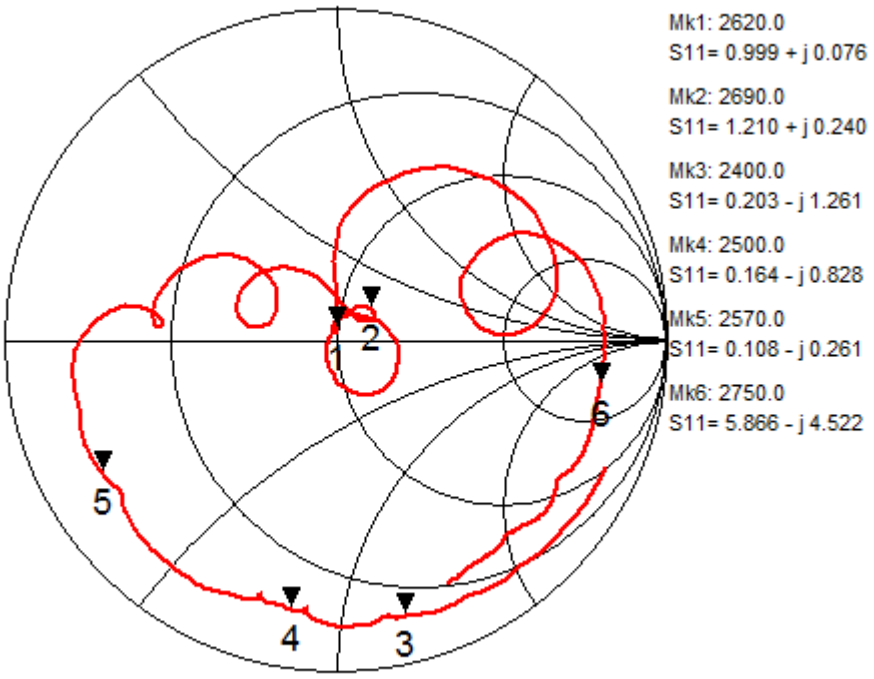


Fig.6 Impedance (S11)

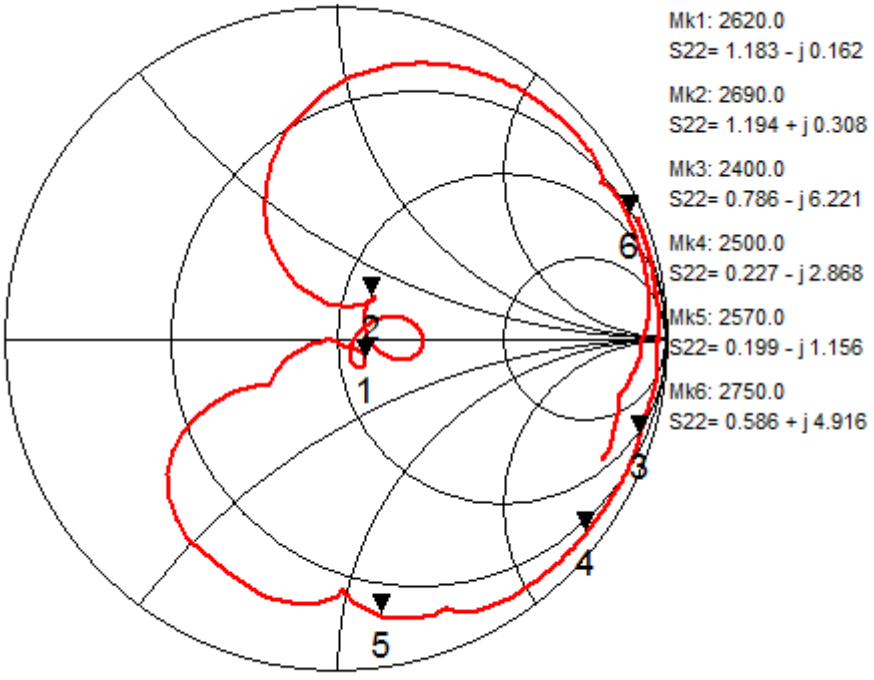


Fig.7 Impedance (S22)

MSL1

*Pb Free part

Customer Name	**Standard Specification**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band7-Rx	DATE	Dec. 03, 2013
Part Number	F6QA2G655M2QH	Version 2.0bA	Final

Ordering Code

Ordering Code	Packing	Reel size	Status
F6QA2G655M2QH-J	Tape & Reel	5,000 pcs.	MP
F6QA2G655M2QH-JA	Tape & Reel	less than 5,000 pcs.	MP
F6QA2G655M2QH-Y	Tape & Reel	15,000 pcs.	MP
F6QA2G655M2QH-YA	Tape & Reel	less than 15,000 pcs.	MP
F6QA2G655M2QH-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.

This product is for general electronics equipment such as Audio-Visual equipment, household electronics, office supplies, information services and telecommunications; therefore, in case this product is used for any medical equipment, space equipment, nuclear equipment or disaster prevention equipment, please contact TAIYO YUDEN in advance.

In case this product is used for general electronics equipment or circuits which require high safety and high reliability, thoroughly evaluate on safety and add a protection circuit if necessary.