



MSL1

\*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band40 - Rx	DATE	Feb. 13, 2014
Part Number	F6QA2G350M2QA	Version 2.1bA	Final

**Table 1. Electrical Specification**

Passband : 2300 ~ 2400 MHz						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss(*1)	2300 - 2400	-	2.2	3.0	dB	
Ripple	2300 - 2400	-	0.8	2.1	dB	
VSWR (Input)	2300 - 2400	-	1.6	2.0	-	
VSWR (Output)	2300 - 2400	-	1.8	2.2	-	
Absolute attenuation	10 - 2215	27	33	-	dB	
	2215 - 2240	27	32	-	dB	
	2430 - 2440	18	24	-	dB	+25~+85°C
		13	-	-	dB	
	2440 - 2450	28	36	-	dB	
	2450 - 2500	25	30	-	dB	
	2500 - 6000	20	30	-	dB	
6900 - 7200	18	27	-	dB		
Power Handling		-	-	10	dBm	
Input impedance		50 // 4.7nH			Ohms	(Q=∞)
Output impedance		50 // 5.6nH			Ohms	(Q=∞)
Temperature range		-30 to +85			°C	
Package size		1.1typ x 0.9typ x 0.5max			mm	

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



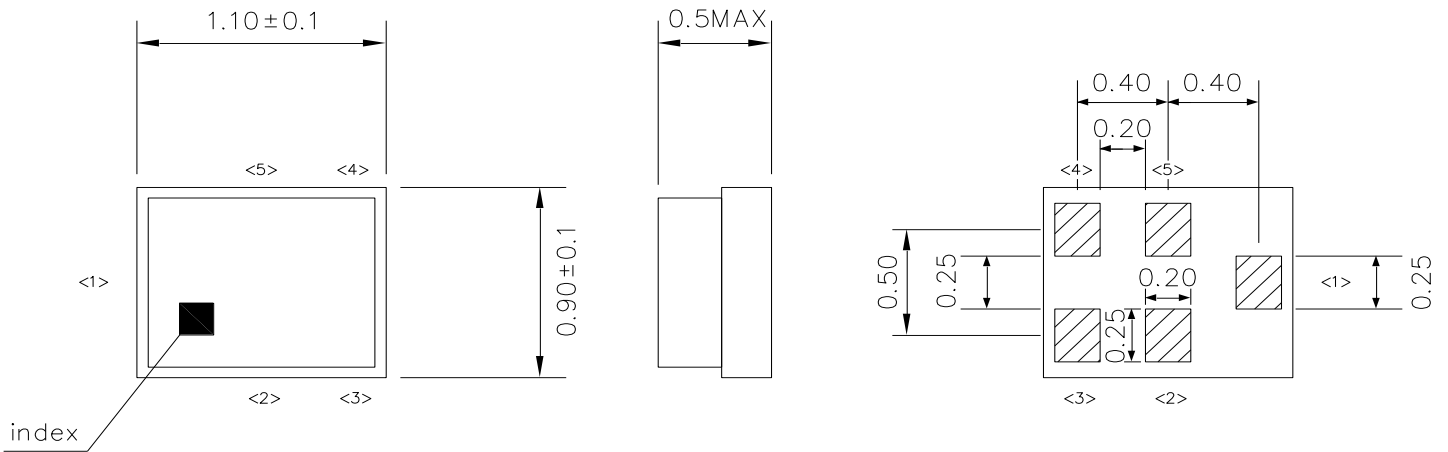
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**Dimensions**

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

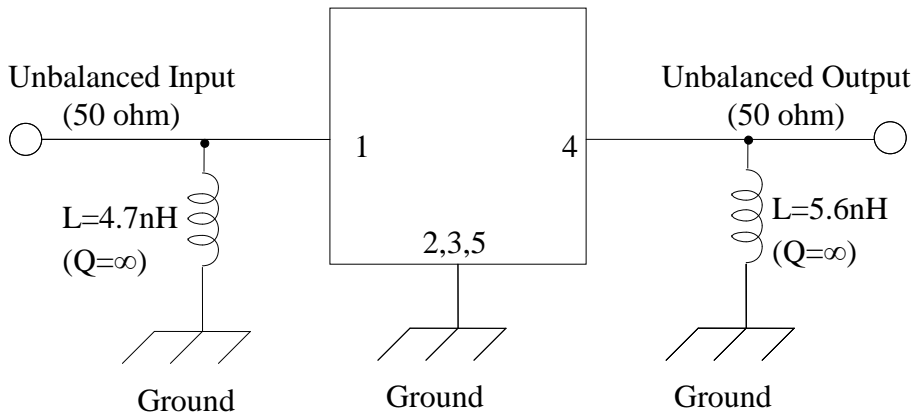


Unit : mm

**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**



1 to 5 ; Pin No.



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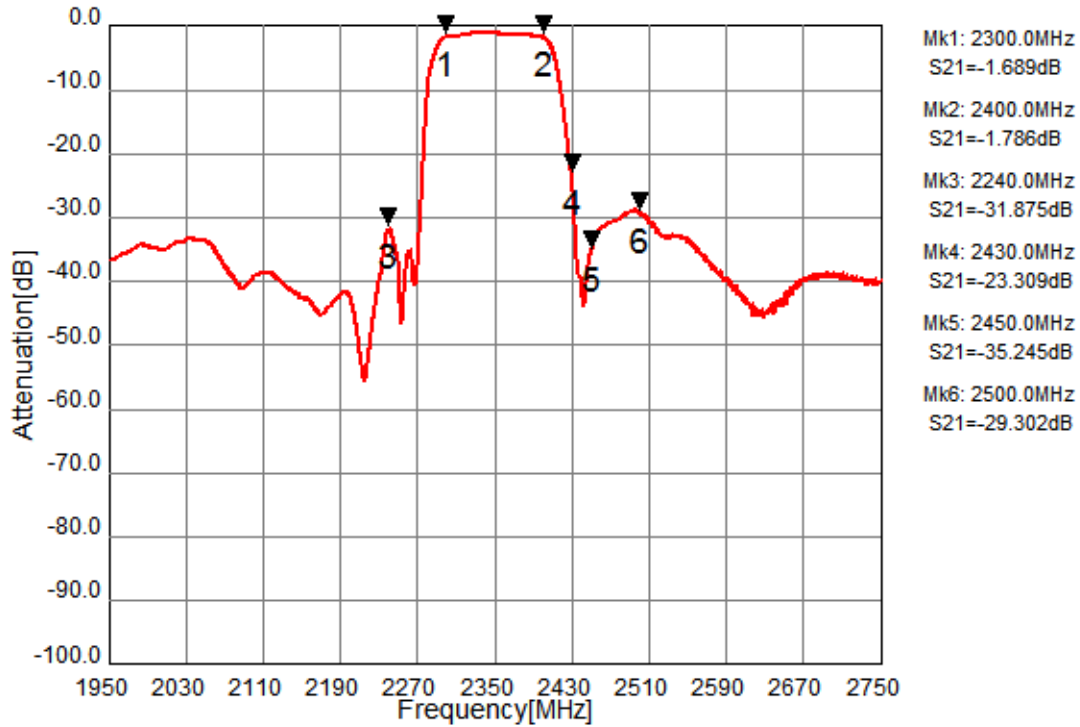


Fig.1 Pass-band Characteristics

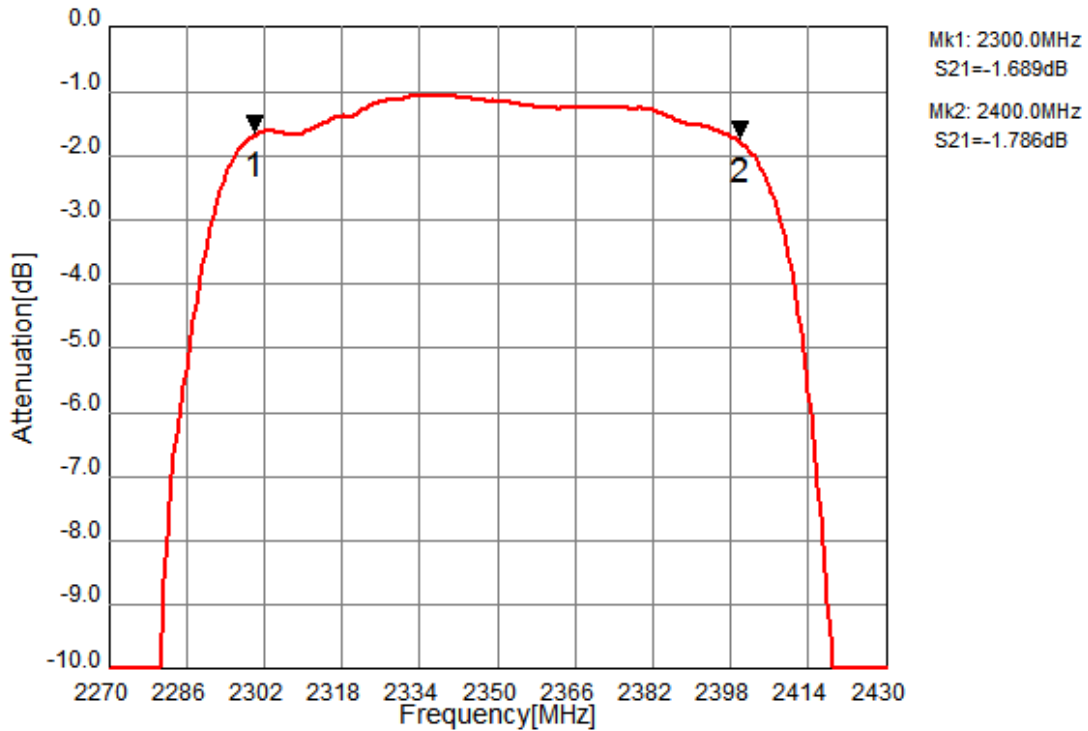


Fig.2 In-band Characteristics

These data exclude loss that comes from the test board.



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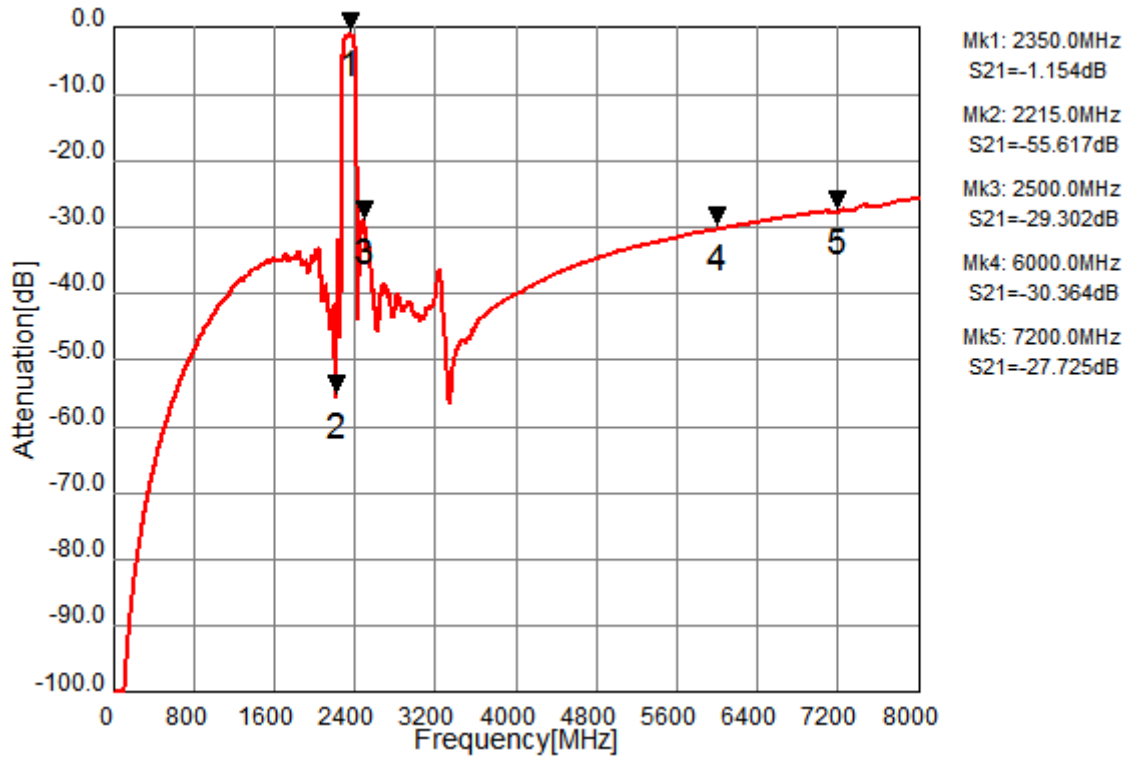


Fig.3 Wide-band Characteristics



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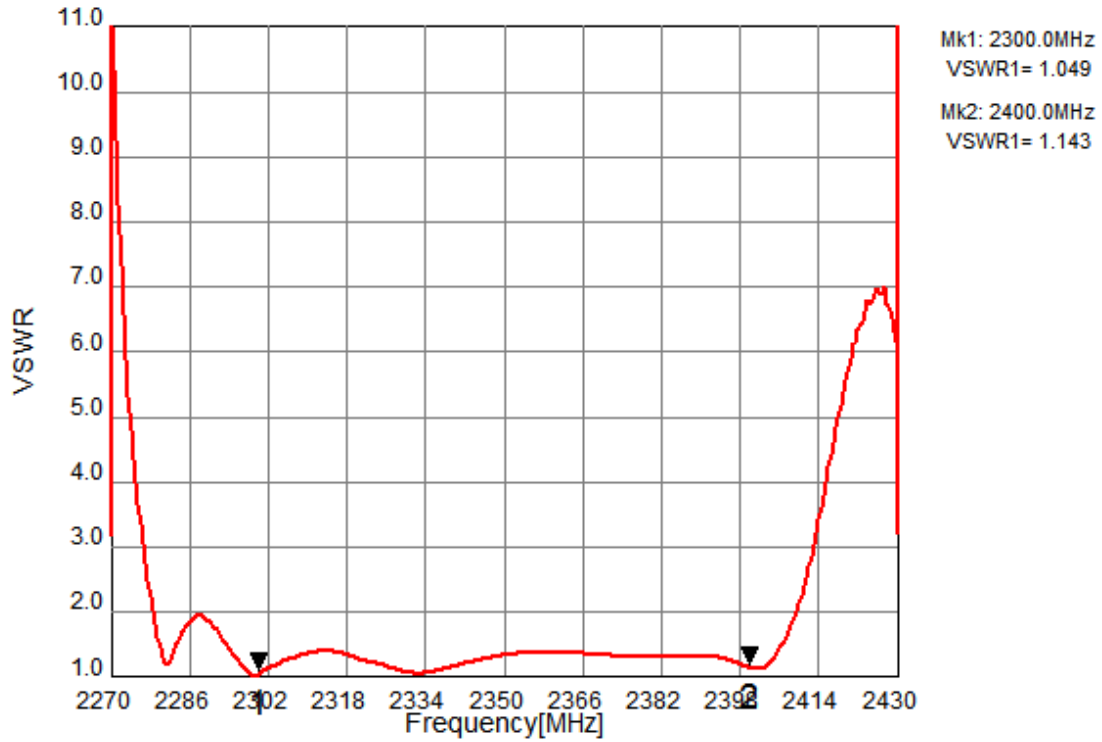


Fig.4 Input VSWR

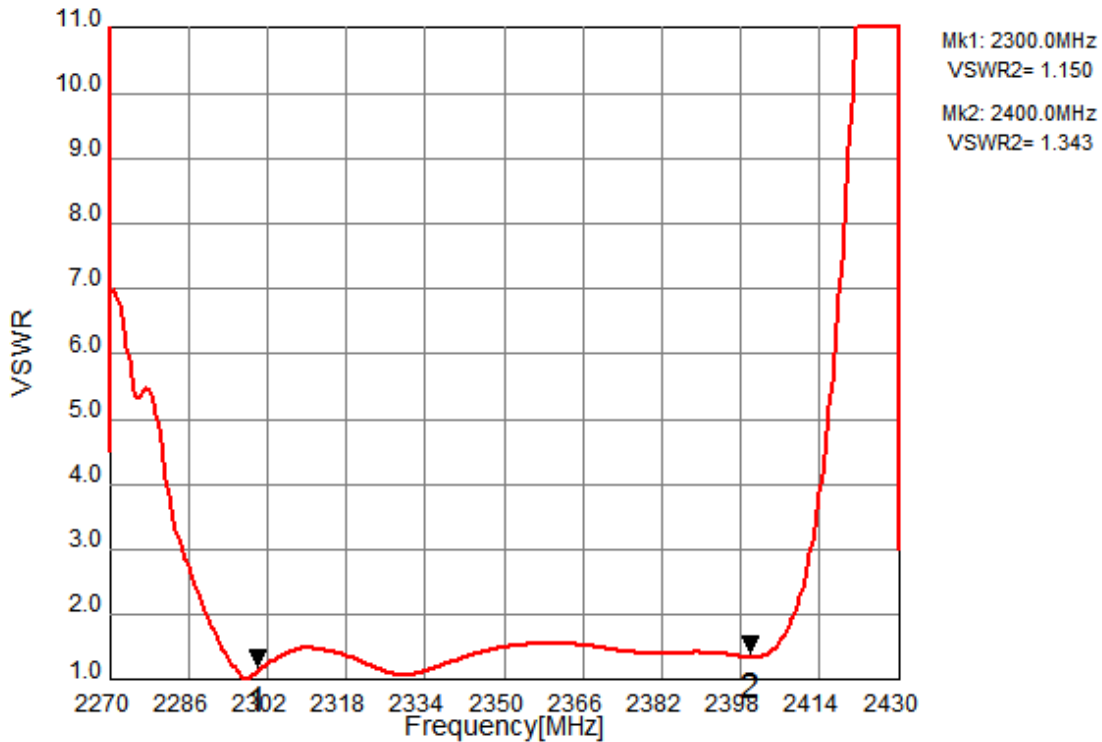


Fig.5 Output VSWR



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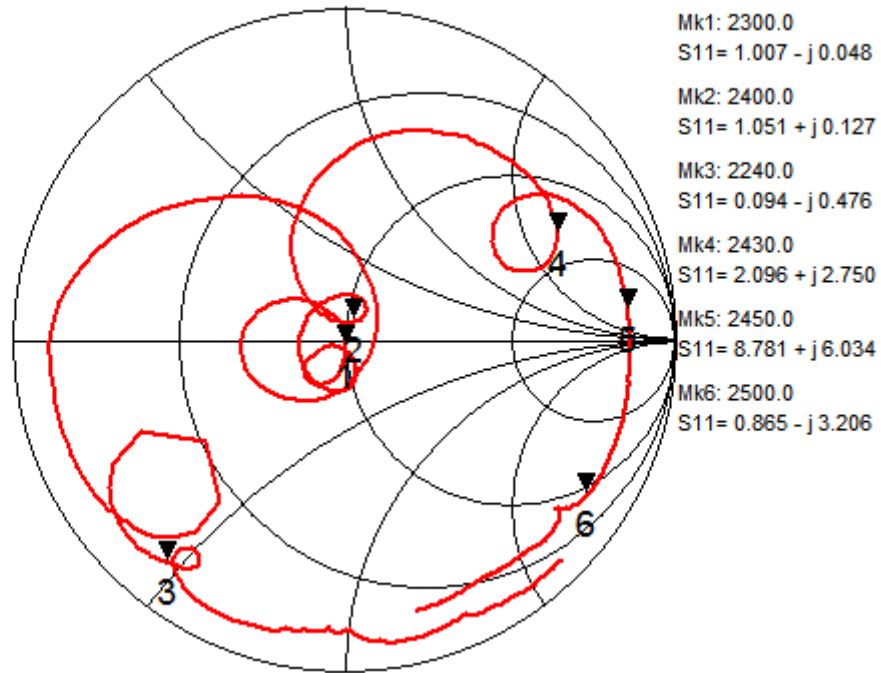


Fig.6 Input Impedance

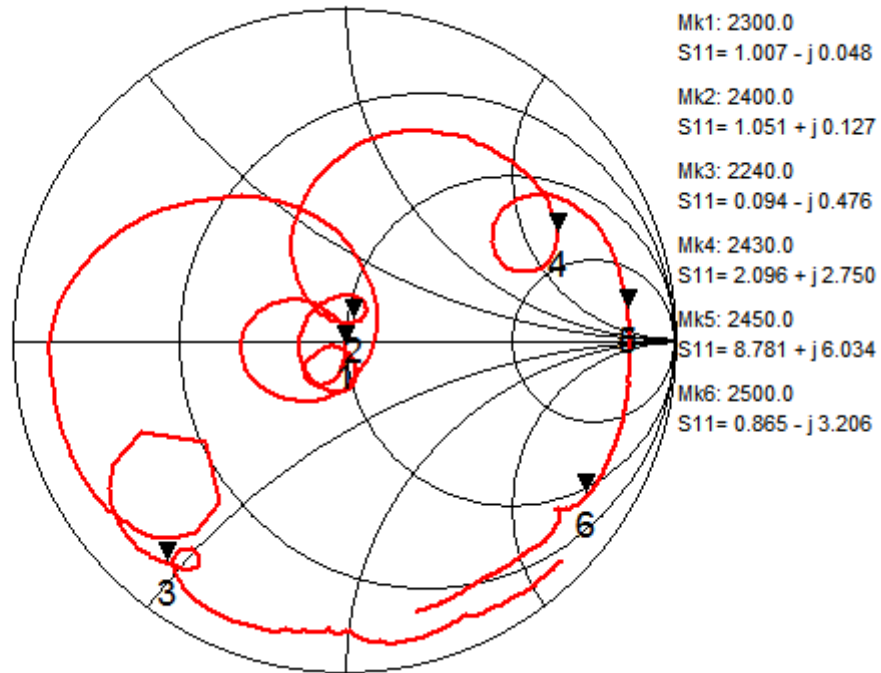
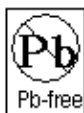


Fig.7 Output Impedance



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## Ordering Code

Ordering Code	Packing	Reel size	Status
F6QA2G350M2QA-J	Tape & Reel	5,000pcs.	MP
F6QA2G350M2QA-JA	Tape & Reel	less than 5,000 pcs.	MP
F6QA2G350M2QA-Y	Tape & Reel	15,000pcs	MP
F6QA2G350M2QA-YA	Tape & Reel	less than 15,000pcs	MP
F6QA2G350M2QA-Q	Bulk	few pcs.	MP

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

\*MP : Mass Production

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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.

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