



* Pb Free Part



MSL1

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band20 Rx	Date	Nov. 4, 2015
Part Number	F5QA806M0M2QE	Version 2.0bA	Final

Table 1. Electrical specification

Passband: 791 ~ 821 MHz						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	791 – 821	-	2.7	3.8	dB	(*1)
Ripple	791 – 821	-	1.4	2.6	dB	
VSWR(Input)	791 – 821	-	2.1	2.4	-	
VSWR(Output)	791 – 821	-	2.1	2.4	-	
Absolute attenuation	832 – 862	37	41	-	dB	
	1559 – 1607	40	45	-	dB	
	1582 – 1642	40	45	-	dB	
	2373 – 2463	30	37	-	dB	
	2400 – 2500	30	37	-	dB	
	3164 – 3284	25	34	-	dB	
	3955 – 4105	20	31	-	dB	
	4746 – 4926	20	29	-	dB	
	4900 – 5950	20	26	-	dB	
	5537 – 5747	20	27	-	dB	
	6328 – 6568	20	25	-	dB	
	7119 – 7389	15	23	-	dB	
Input impedance		50			Ω	Single-ended
Output impedance		50			Ω	Single-ended
Temperature range		-20 to +85			°C	

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



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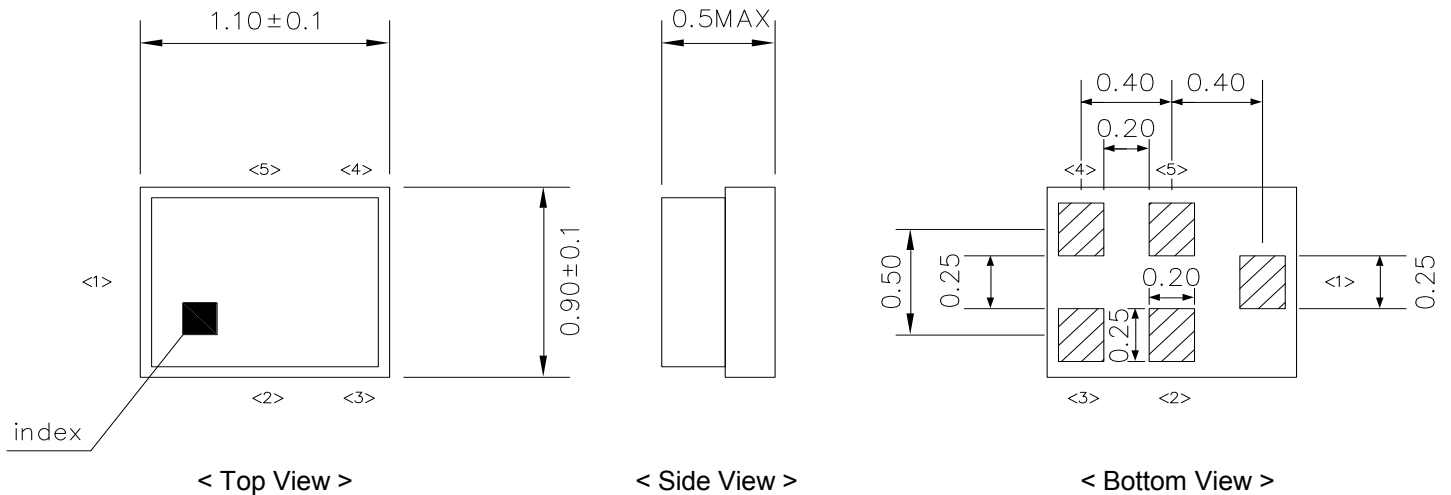


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Dimensions

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

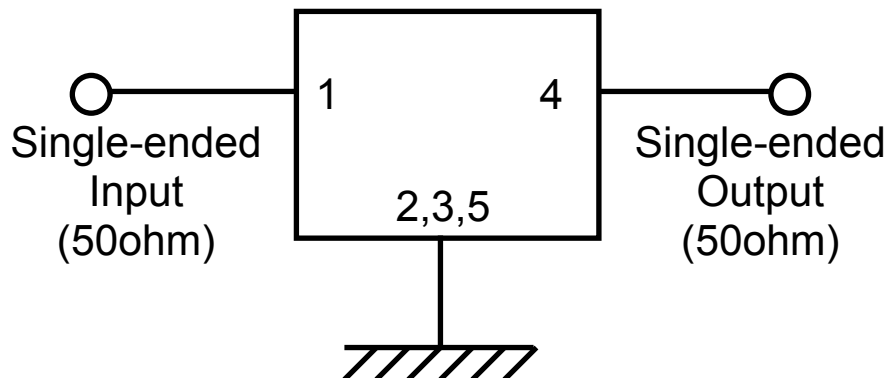


Unit : mm

Pin Configuration

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

Test Condition



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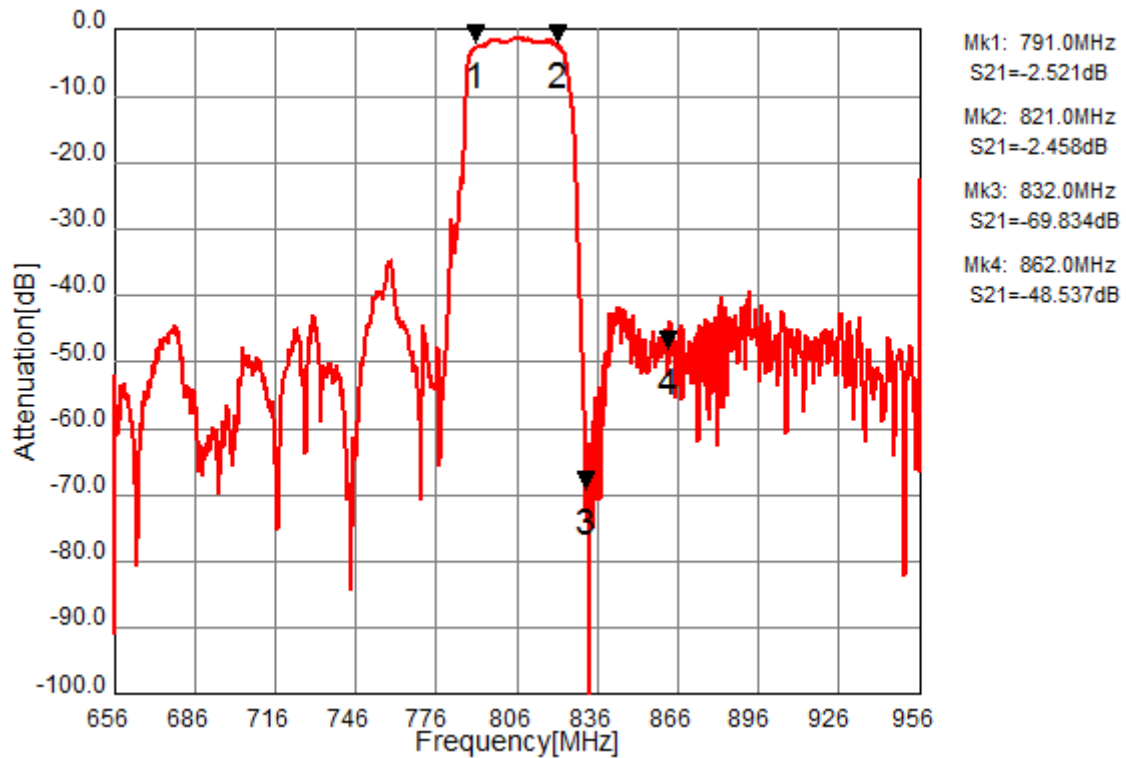


Fig.1 Pass-band Characteristics

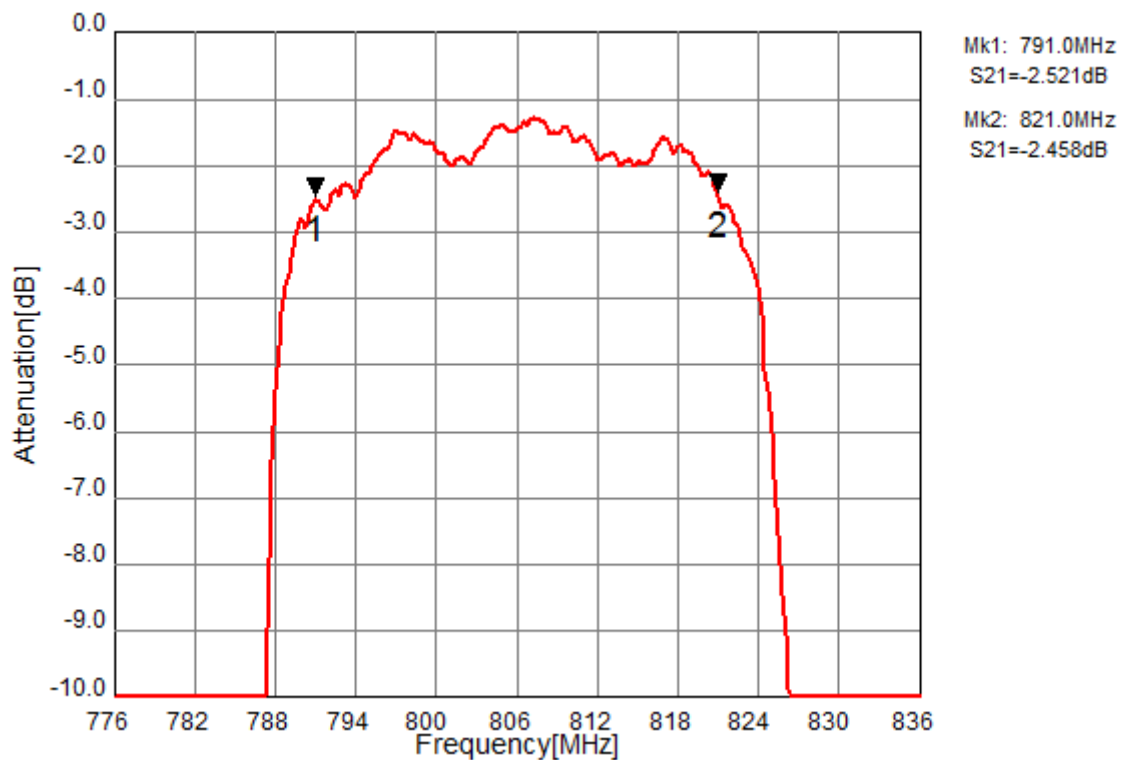


Fig.2 In-band Characteristics

These data exclude loss that come from test board.

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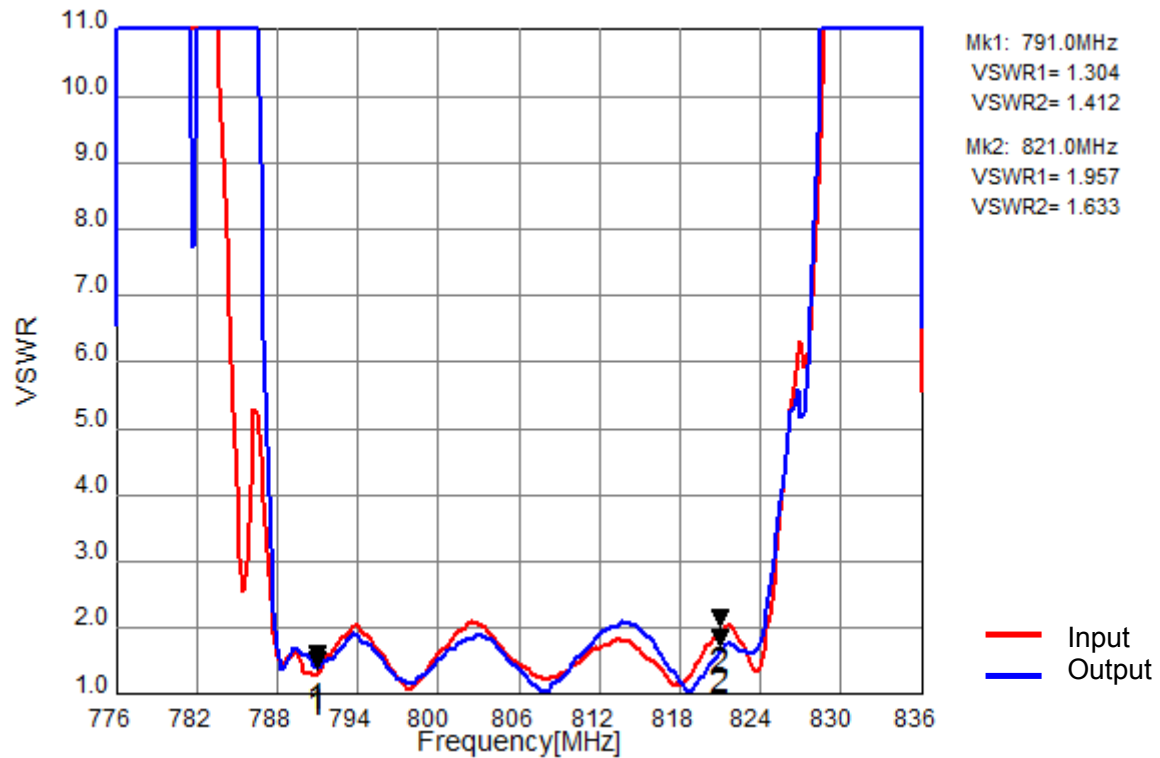


Fig.3 VSWR

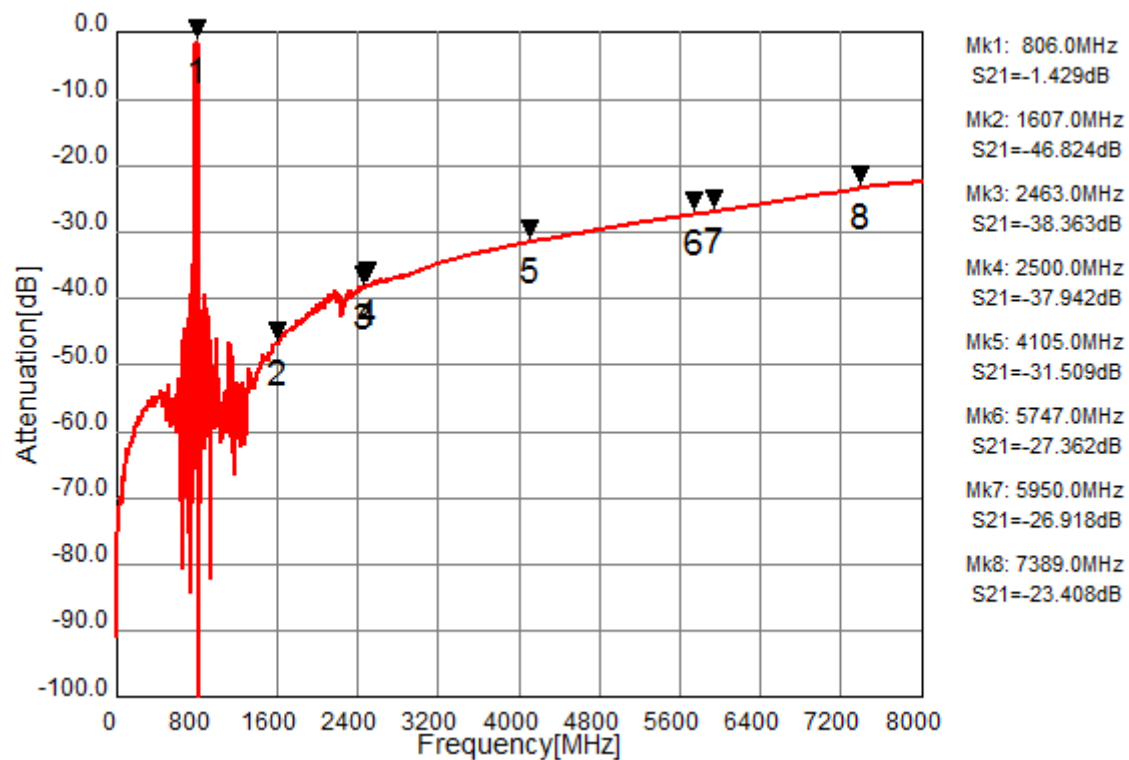


Fig.4 Wide-band Characteristics

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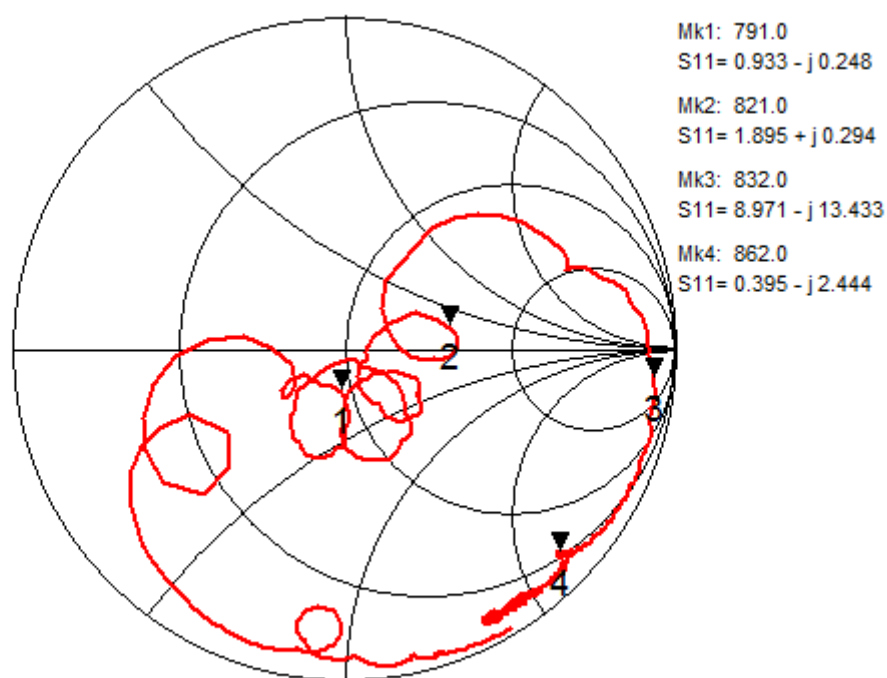


Fig.5 Input Impedance

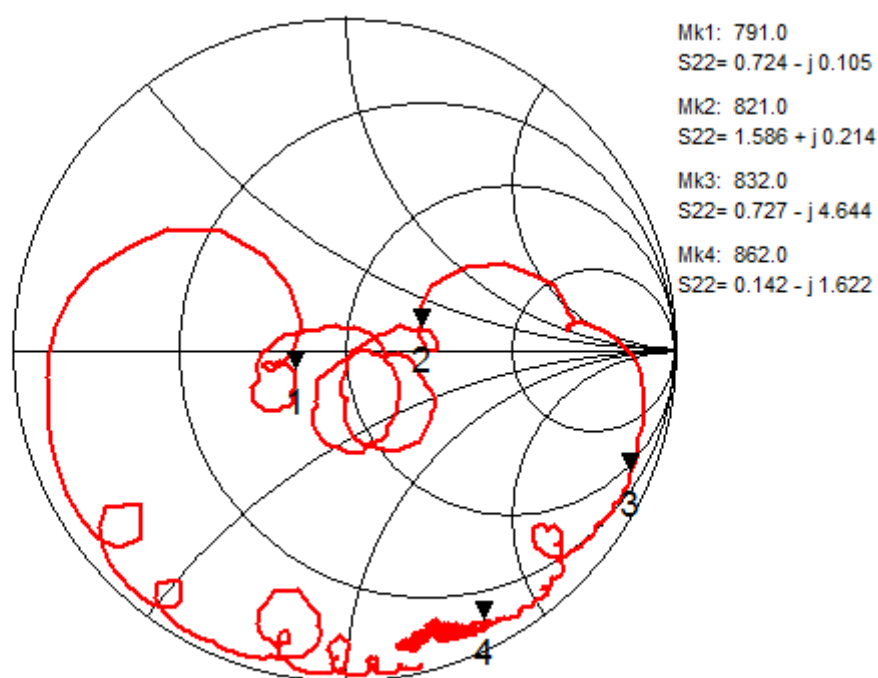


Fig.6 Output Impedance



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Ordering Code

Ordering Code	Packing	Reel size	Status
F5QA806M0M2QE-J	Tape & Reel	5,000pcs.	MP
F5QA806M0M2QE-JA	Tape & Reel	less than 5,000 pcs.	MP
F5QA806M0M2QE-Y	Tape & Reel	15,000pcs	MP
F5QA806M0M2QE-YA	Tape & Reel	less than 15,000 pcs.	MP
F5QA806M0M2QE-Q	Bulk	few pcs.	MP

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

*MP : Mass Production

Notice

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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.