



MSL1

* Pb Free Part

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.



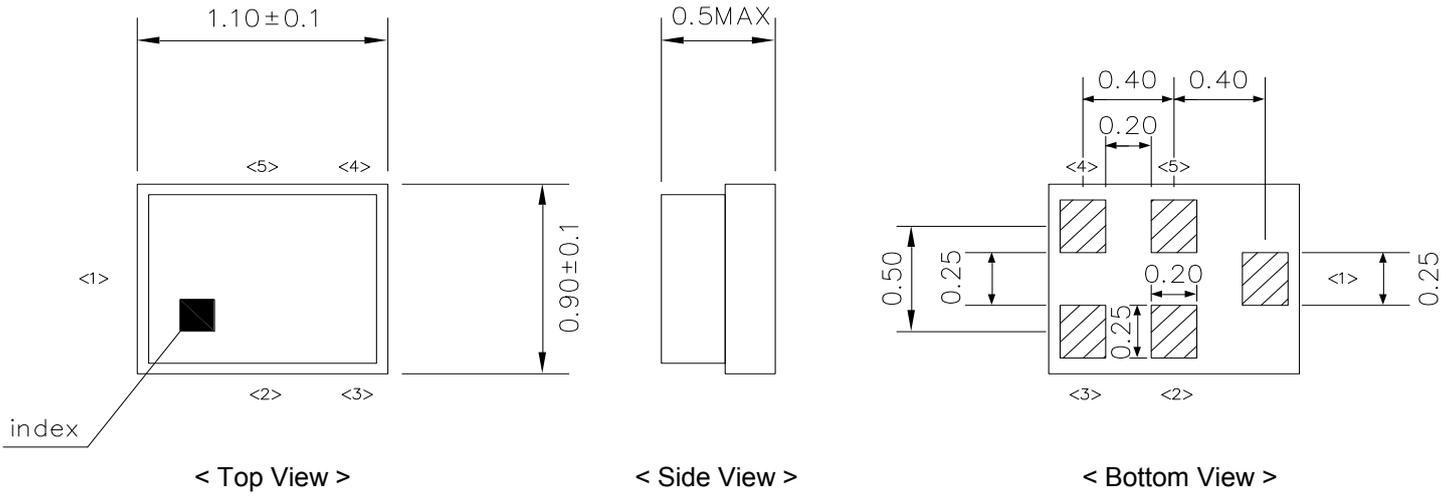
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Dimensions

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

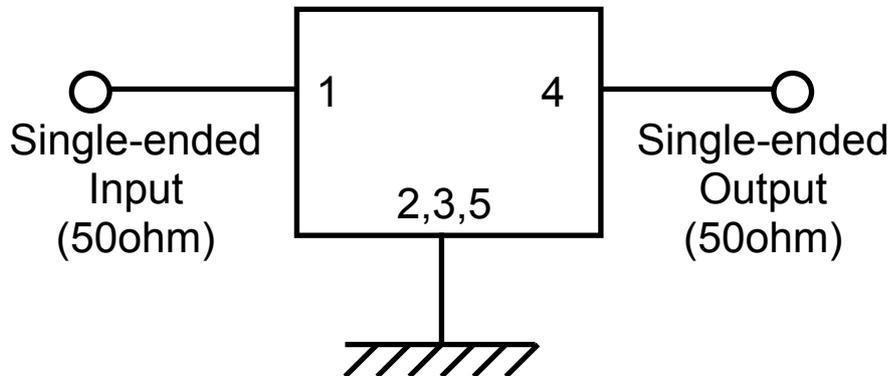


Unit : mm

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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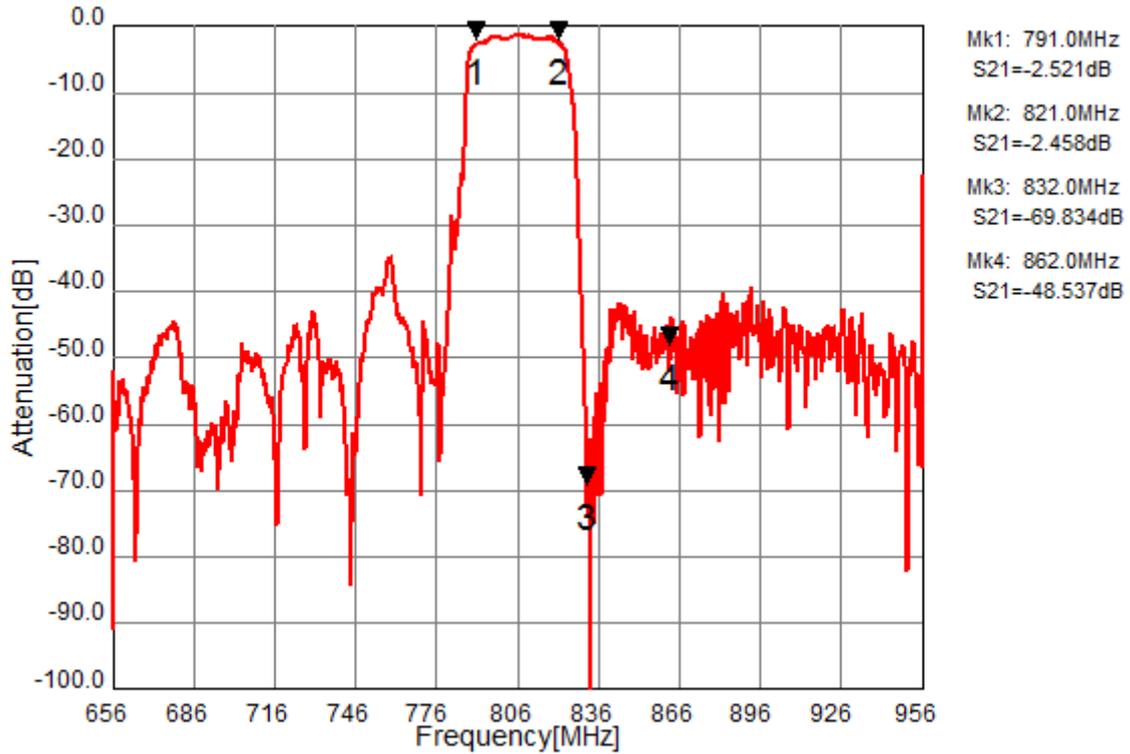


Fig.1 Pass-band Characteristics

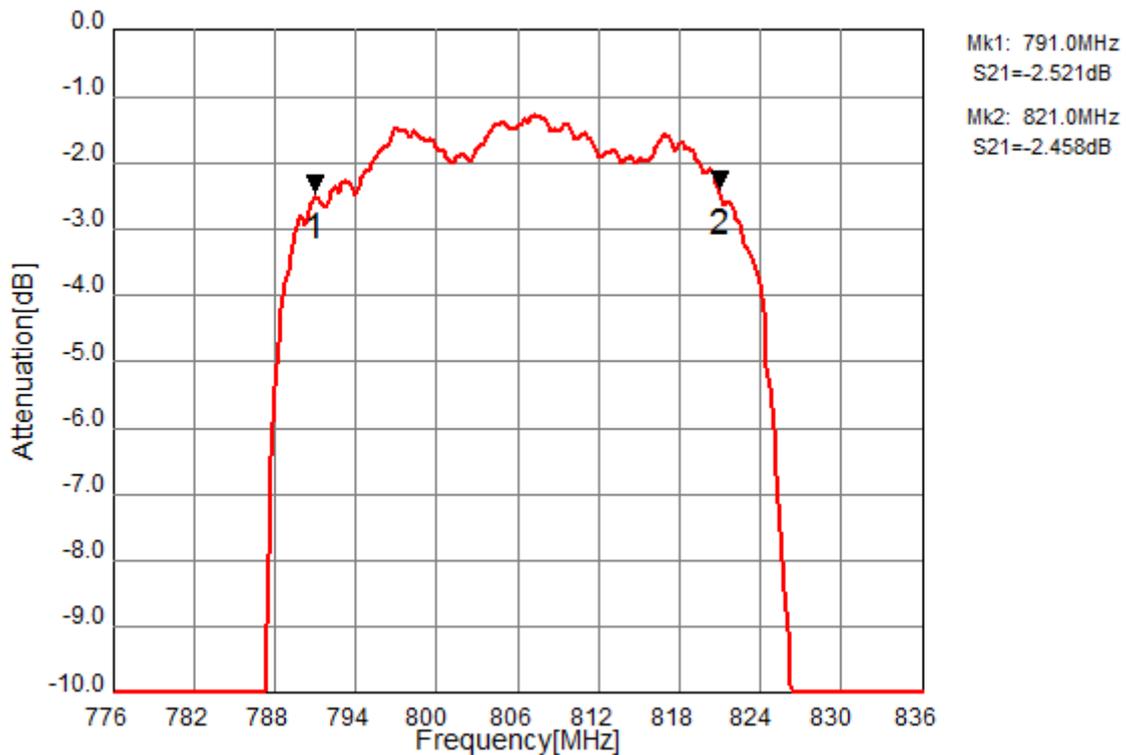


Fig.2 In-band Characteristics

These data exclude loss that come from test board.

TAIYO YUDEN



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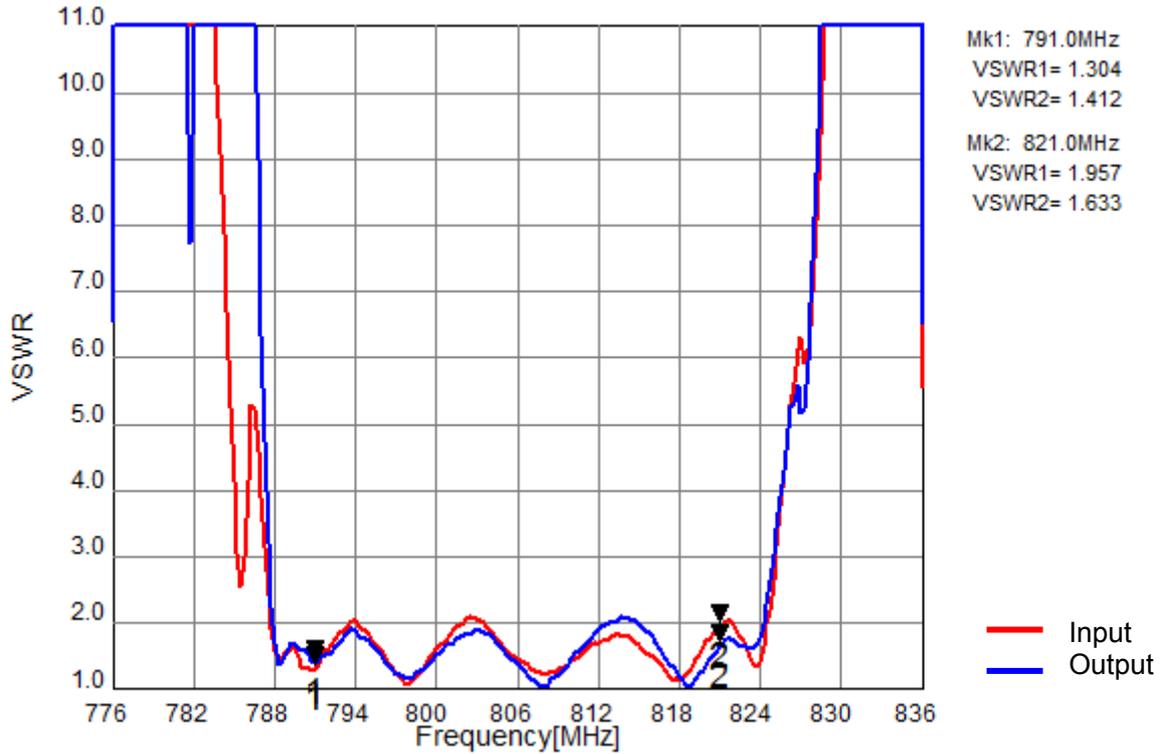


Fig.3 VSWR

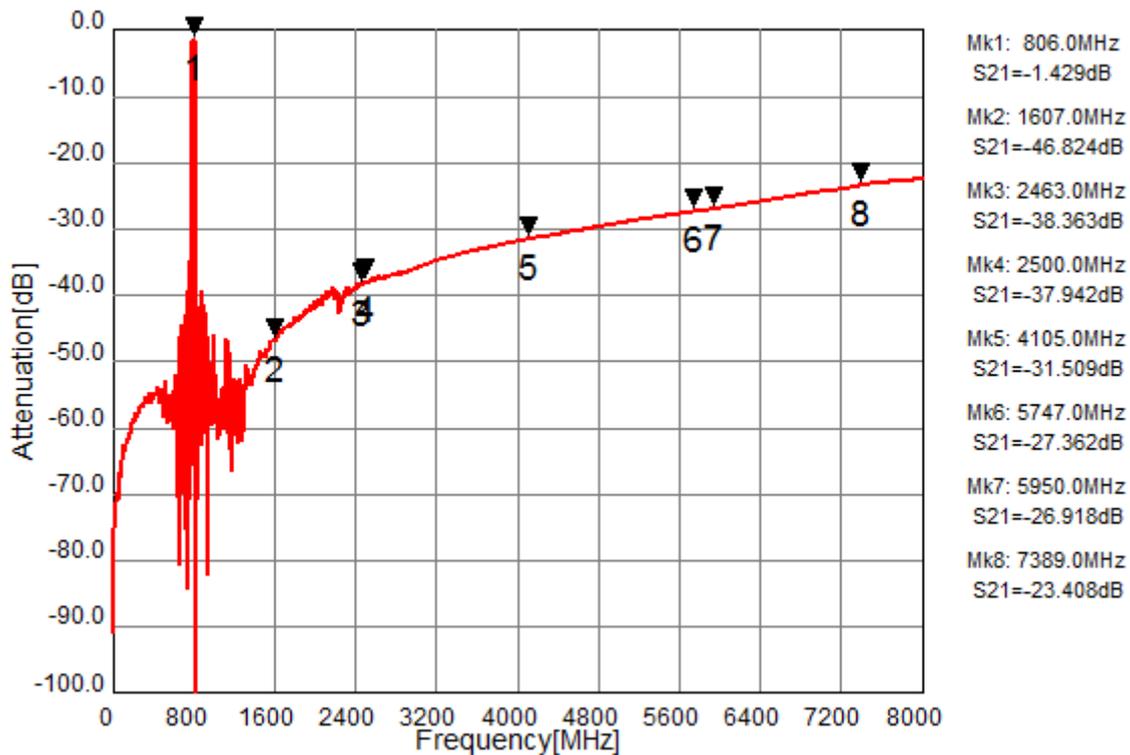


Fig.4 Wide-band Characteristics



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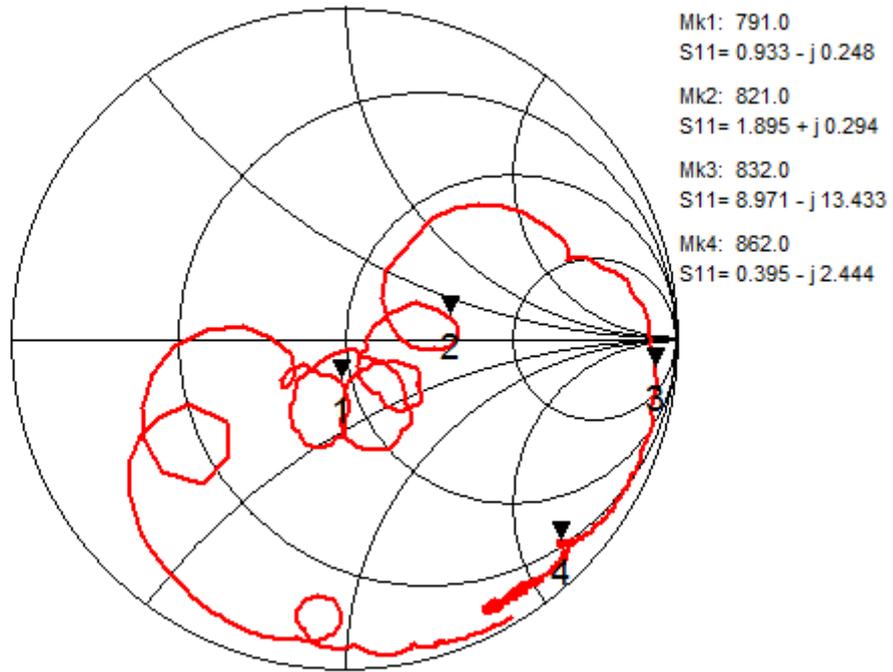


Fig.5 Input Impedance

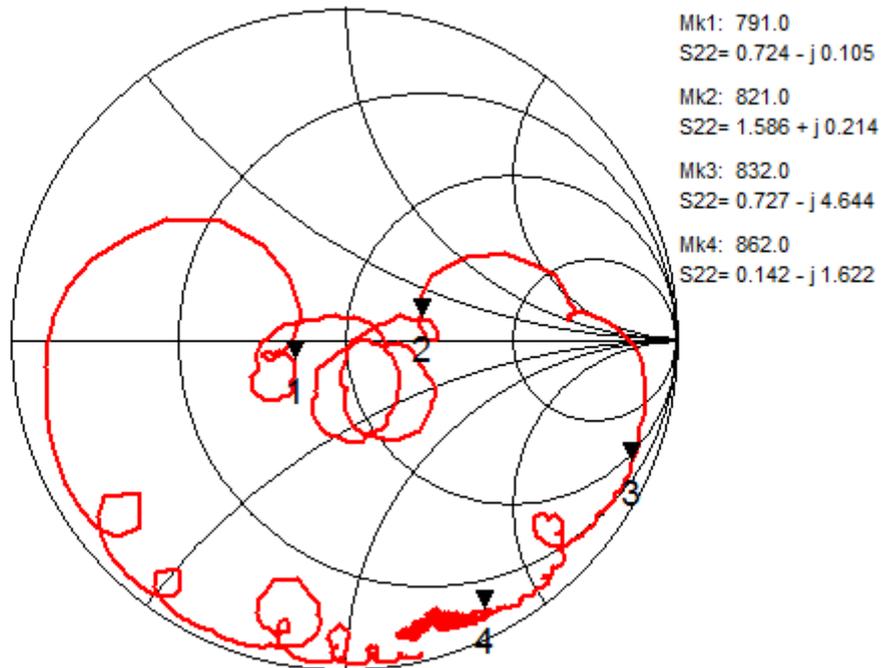


Fig.6 Output Impedance



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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

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