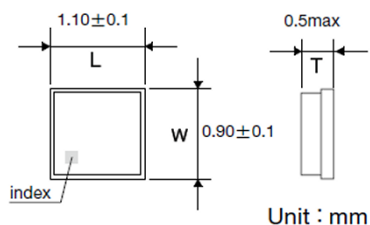


FBAR/SAW Devices (SAW Type)

F5QA763M0M2QL



■ Features

- Item Summary
SAW, Rx Type, 1.1x0.9x0.5mm
Band14
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 5000 , 15000pcs

■ Products characteristics table

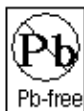
System	W-CDMA / LTE
Type	SAW
Function	Rx Type
band	Band14
Insertion Loss (typ)	2.2 dB
Attenuation (typ)	49 dB
Operating Temp. Range	-30 to +85 °C
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (168 subst.)	Yes
Soldering	Reflow

■ 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.



MSL1

*Pb Free part

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band14 Rx	DATE	Jun. 30, 2014
Part Number	F5QA763M0M2QL	Version 2.0bB	Final

Table 1.Electrical specifications

Pass Band (758 ~ 768 MHz)						
Item	Condition (MHz)	Specifications			Units	Remarks
		Min.	Typ.	Max.		
Insertion Loss	758-768	-	2.2	3.0	dB	(*1)
Ripple	758-768	-	0.7	2.0	dB	
VSWR(Input)	758-768	-	1.8	2.1	-	
VSWR(Output)	758-768	-	1.8	2.1	-	
Absolute attenuation	50-698	30	42	-	dB	
	698-716	35	49	-	dB	
	788-798	44	49	-	dB	Tx
	2400-2500	35	42	-	dB	
	4900-6000	30	37	-	dB	
Power handling		-	-	10	dBm	
Input impedance		50			ohm	
Output impedance		50			ohm	
Operating temperature		-30 to +85			°C	
Device size (L x W x H)		1.1typ.x0.9typ.x0.5max.			mm	SMD

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



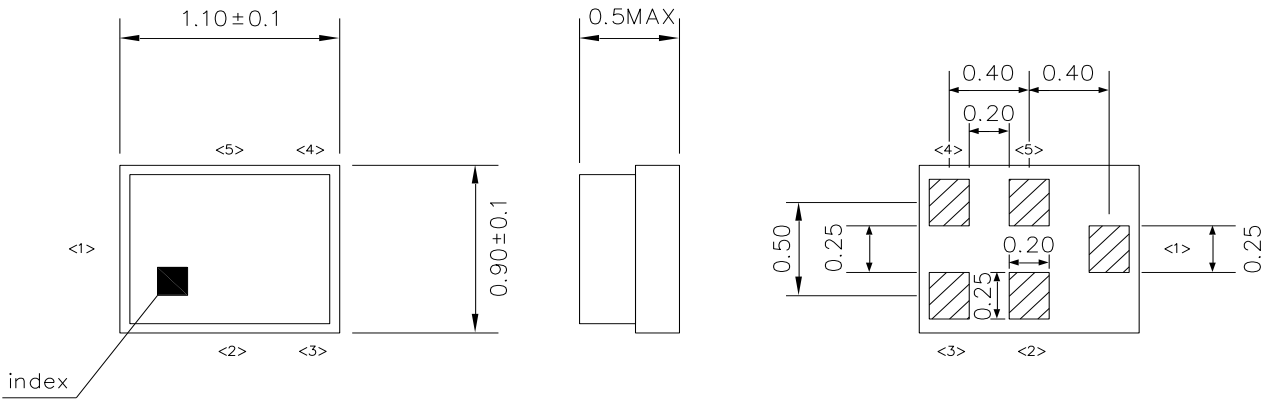
MSL1

*Pb Free part

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band14 Rx	DATE	Jun. 30, 2014
Part Number	F5QA763M0M2QL	Version 2.0bB	Final

Dimensions

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

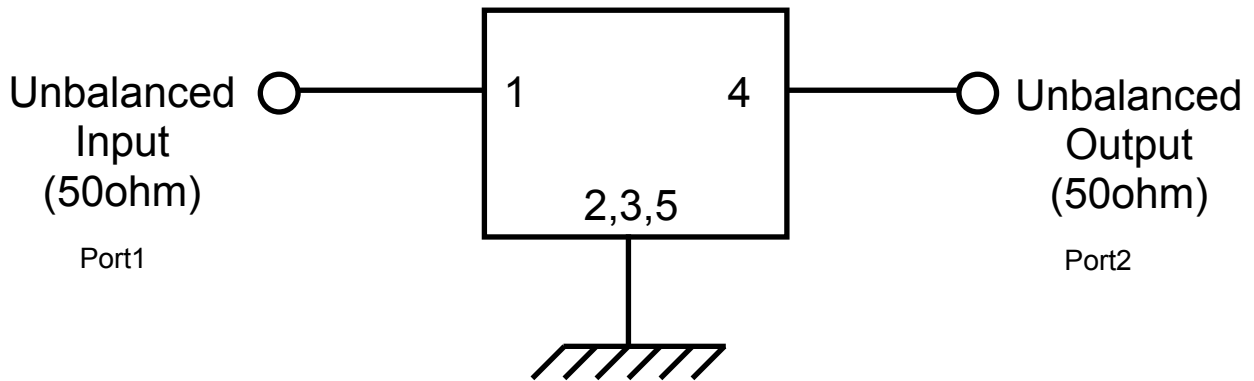


Unit: mm

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.



MSL1

*Pb Free part

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Part Number	F5QA763M0M2QL	Version 2.0bB	Final

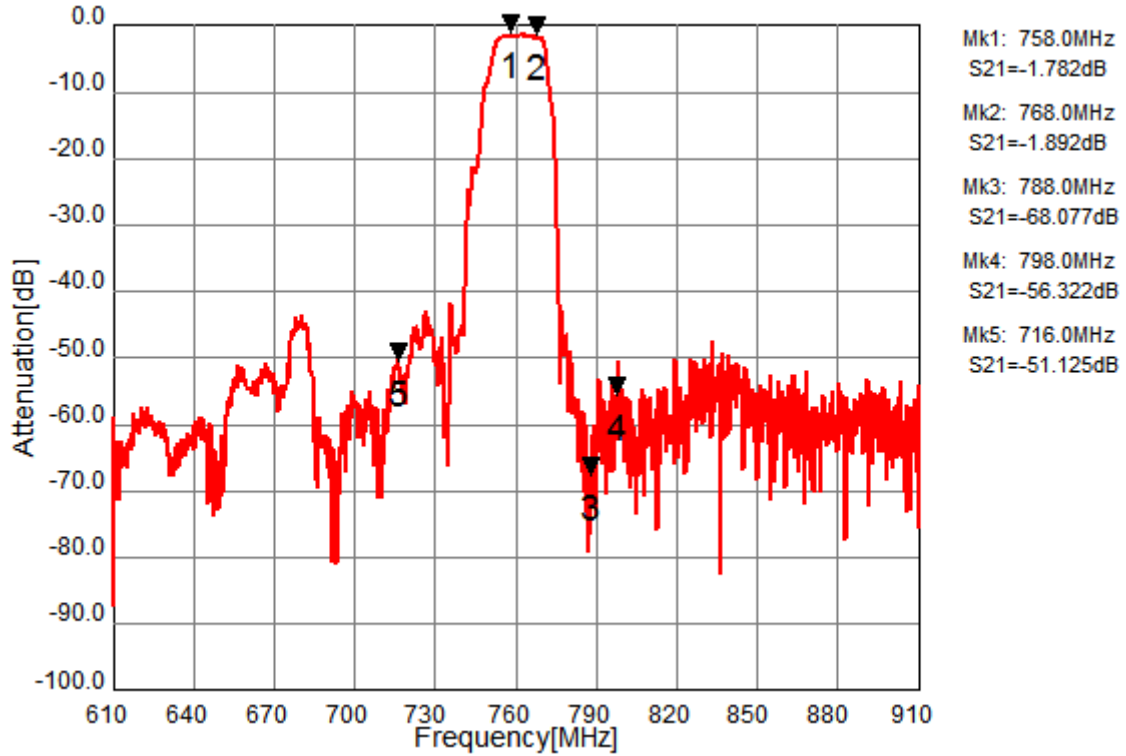


Fig.1 Pass-band Characteristics

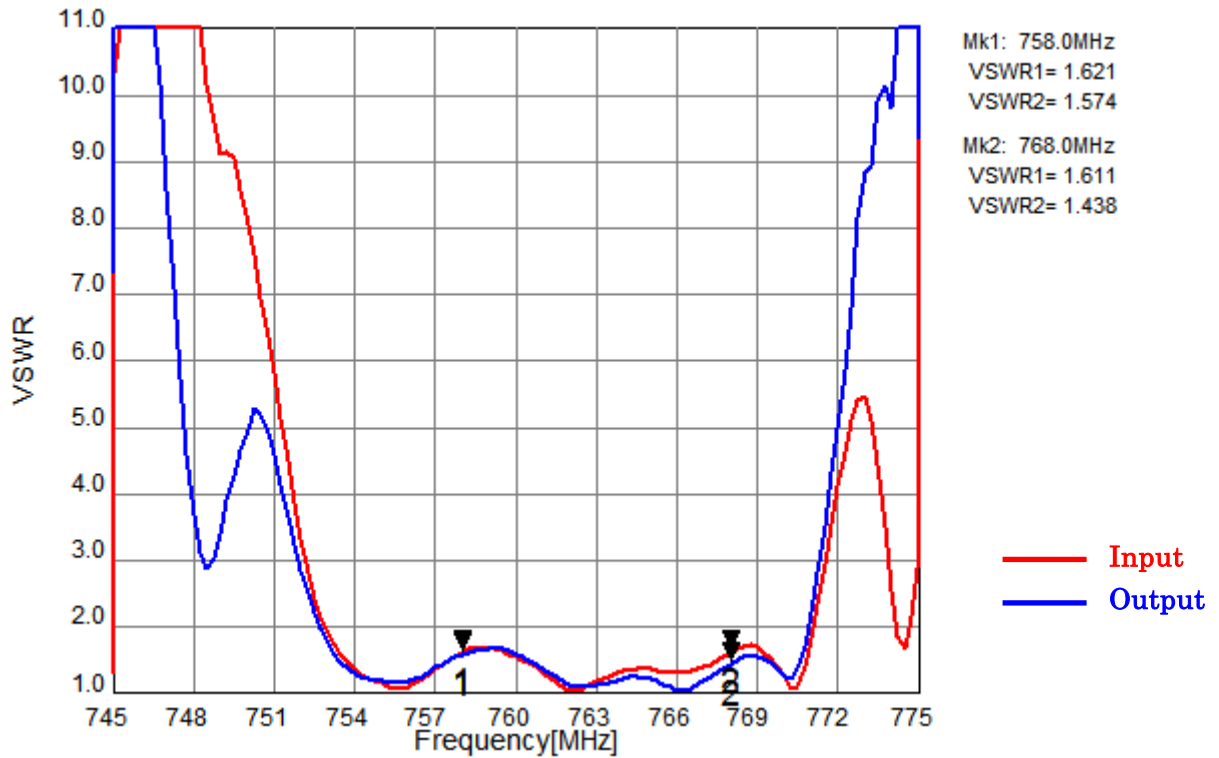


Fig.2 VSWR



MSL1

*Pb Free part

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band14 Rx	DATE	Jun. 30, 2014
Part Number	F5QA763M0M2QL	Version 2.0bB	Final

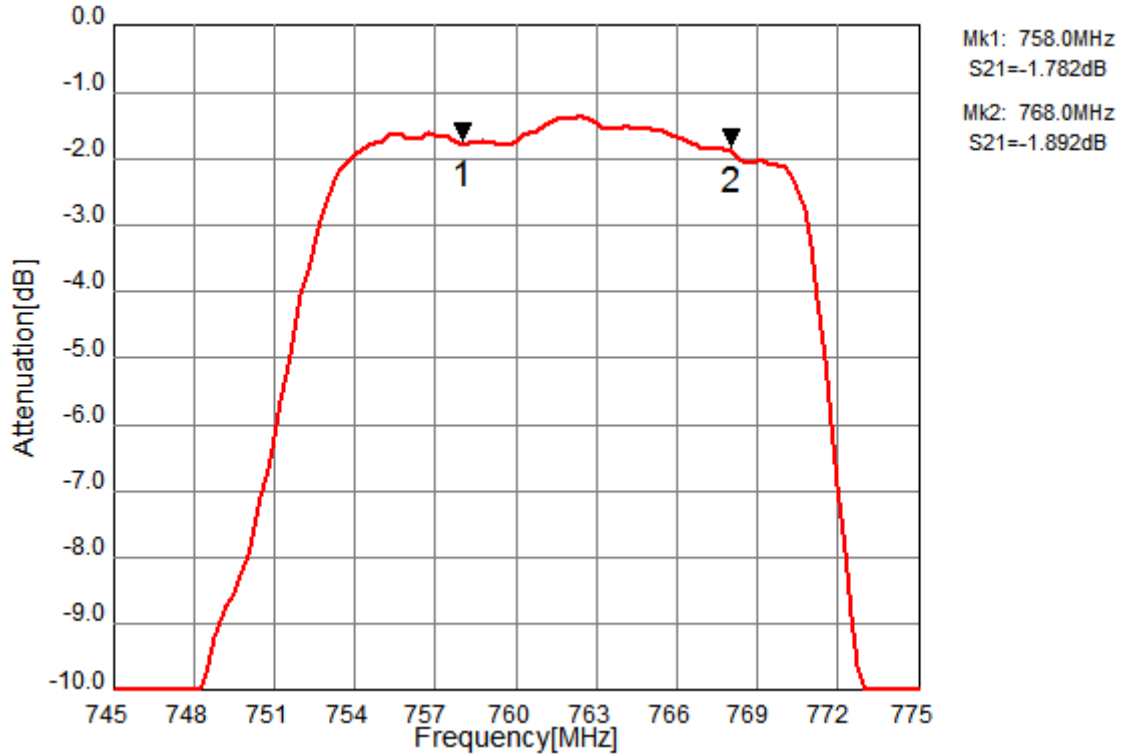


Fig.3 In-band Characteristics

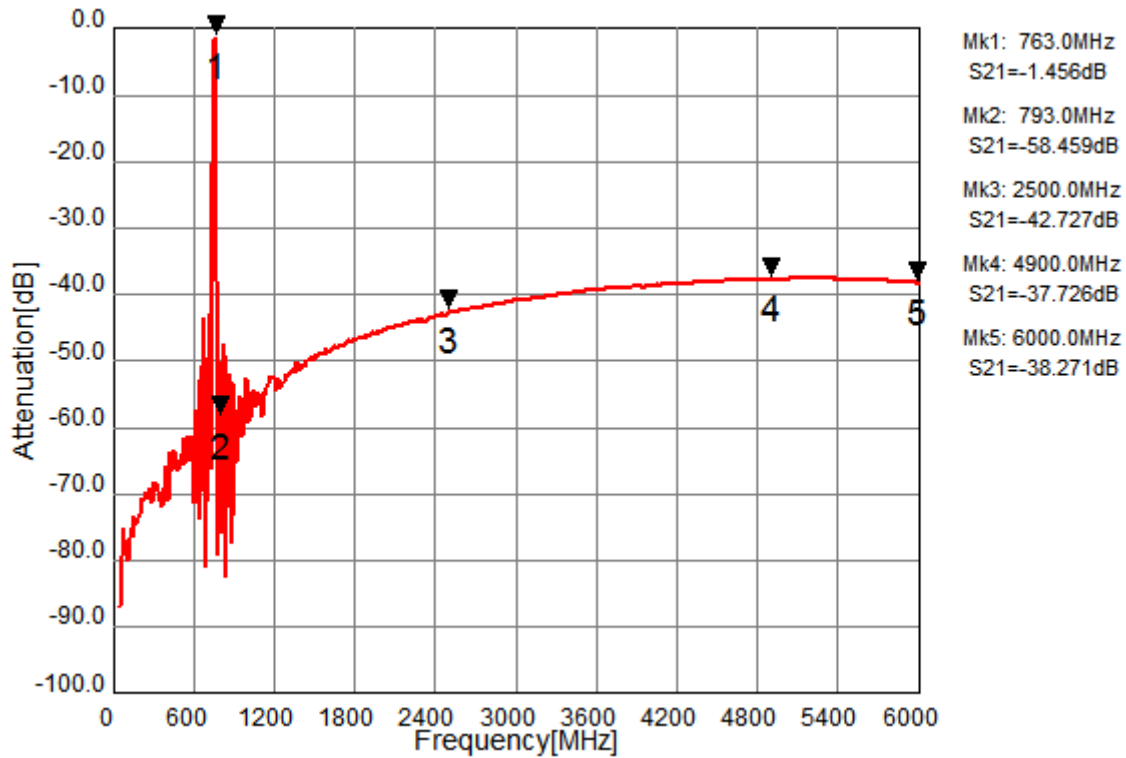


Fig.4 Wide-band Characteristics



MSL1

*Pb Free part

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band14 Rx	DATE	Jun. 30, 2014
Part Number	F5QA763M0M2QL	Version 2.0bB	Final

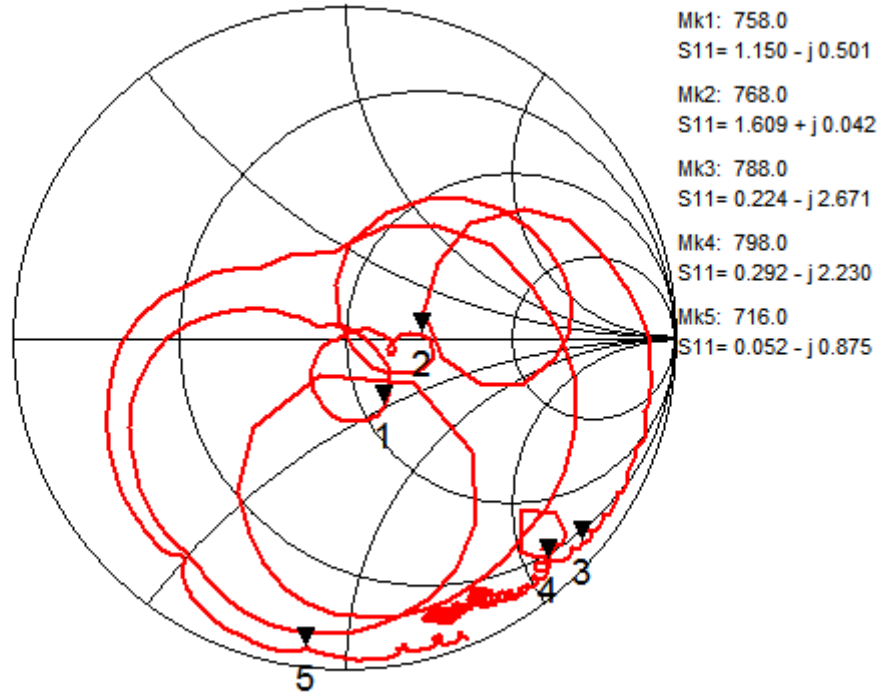


Fig.5 Impedance (Input)

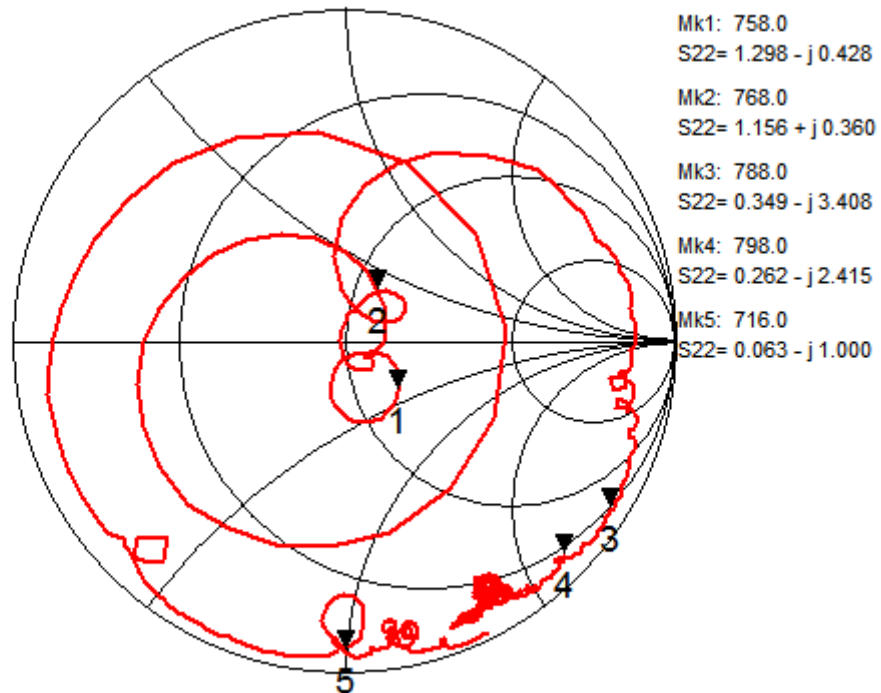
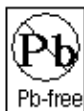


Fig.6 Impedance (Output)



MSL1

*Pb Free part

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band14 Rx	DATE	Jun. 30, 2014
Part Number	F5QA763M0M2QL	Version 2.0bB	Final

Ordering Code

Ordering Code	Packing	Reel size	Status
F5QA763M0M2QL-J	Tape & Reel	5,000 pcs.	MP
F5QA763M0M2QL-JA	Tape & Reel	Less than 5,000 pcs.	MP
F5QA763M0M2QL-Y	Tape & Reel	15,000 pcs.	MP
F5QA763M0M2QL-YA	Tape & Reel	Less than 15,000 pcs.	MP
F5QA763M0M2QL-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.