



\* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band5 Rx	Date	Jan.7, 2014
Part Number	F5QA881M5M2AU	Version 3.0cB	Final

**Table 1. Electrical Specification**

Passband:869 ~ 894MHz						
Item	Condition [MHz]	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	869 – 894	-	1.3	1.8	dB	(*1)
Ripple	869 – 894	-	0.4	1.1	dB	
VSWR (Input)	869 – 894	-	1.6	2.0	-	
VSWR (Output)	869 – 894	-	1.6	2.0	-	
Absolute attenuation	1 – 824	48	52	-	dB	
	824 – 849	46	51	-	dB	
	849 – 854	30	41	-	dB	
	909 – 979	20	28	-	dB	
	1710 – 1910	40	46	-	dB	
	1920 – 2500	35	43	-	dB	
	2500 – 6000	30	38	-	dB	
Input impedance	50				Ω	Single-ended
Output impedance	50				Ω	Single-ended
Device size	1.1typ. x 0.9typ. x 0.5max				mm	
Temperature range	-30 to +85				°C	

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



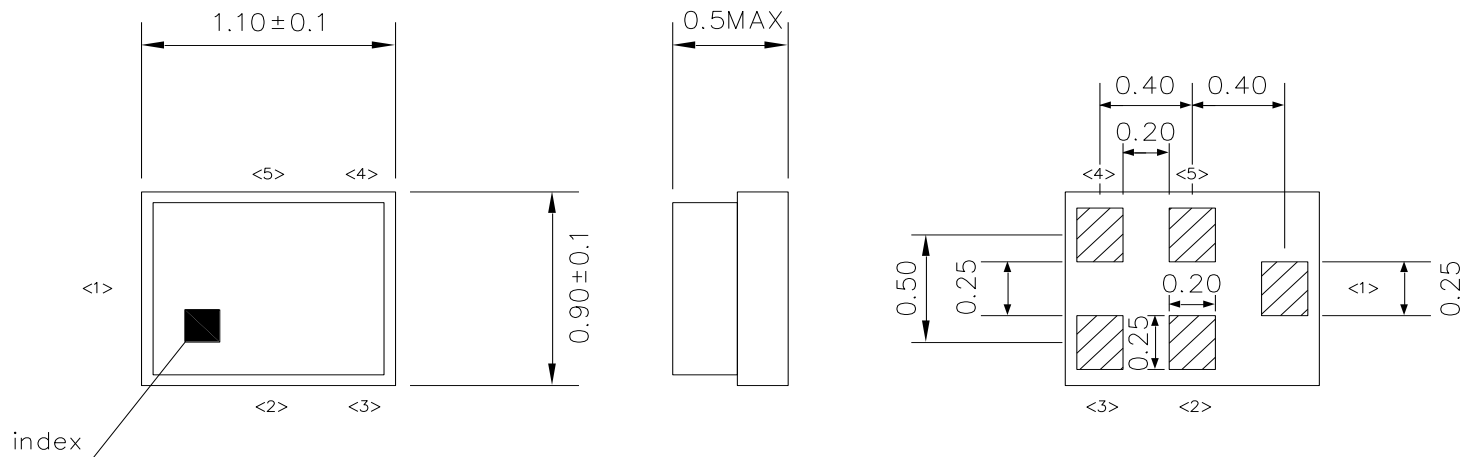
MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band5 Rx	Date	Jan.7, 2014
Part Number	F5QA881M5M2AU	Version 3.0cB	Final

### Dimensions

Device size: 1.1 typ. x 1.0 typ. x 0.5 max.

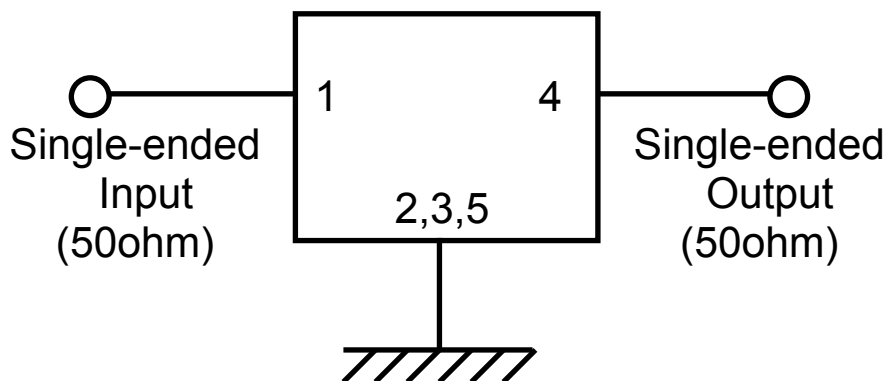


Unit : mm

### 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





MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band5 Rx	Date	Jan.7, 2014
Part Number	F5QA881M5M2AU	Version 3.0cB	Final

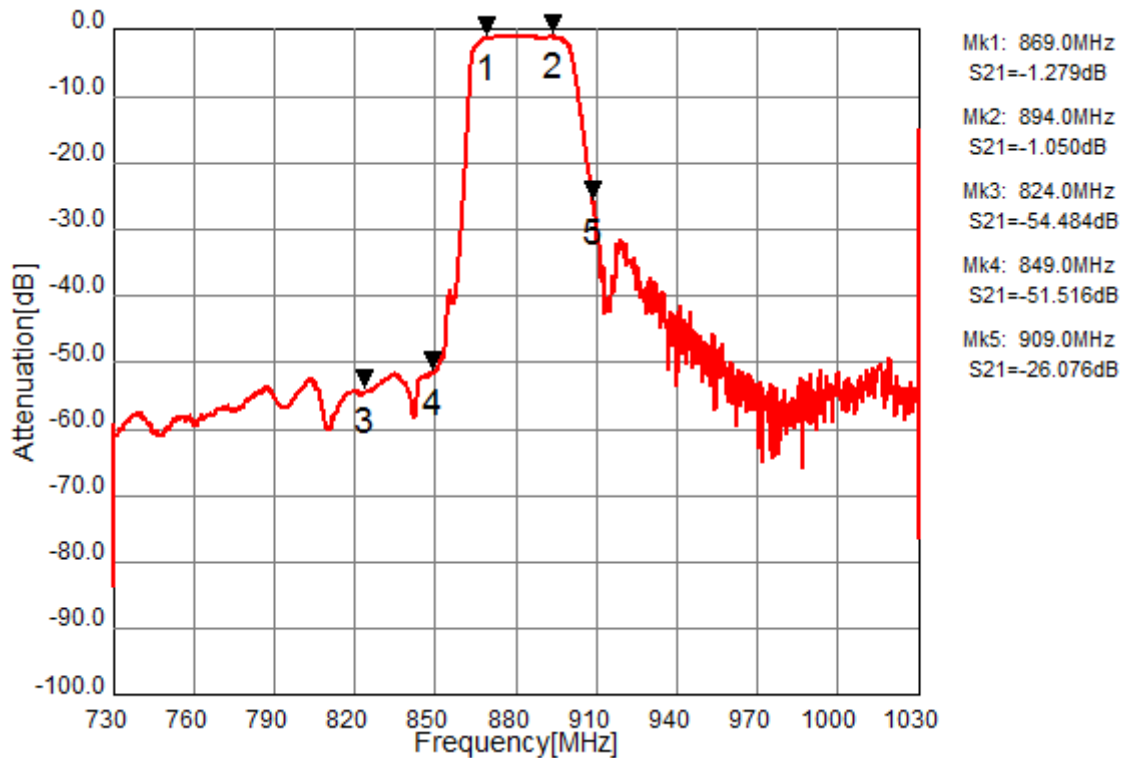


Fig.1 Pass-band Characteristics

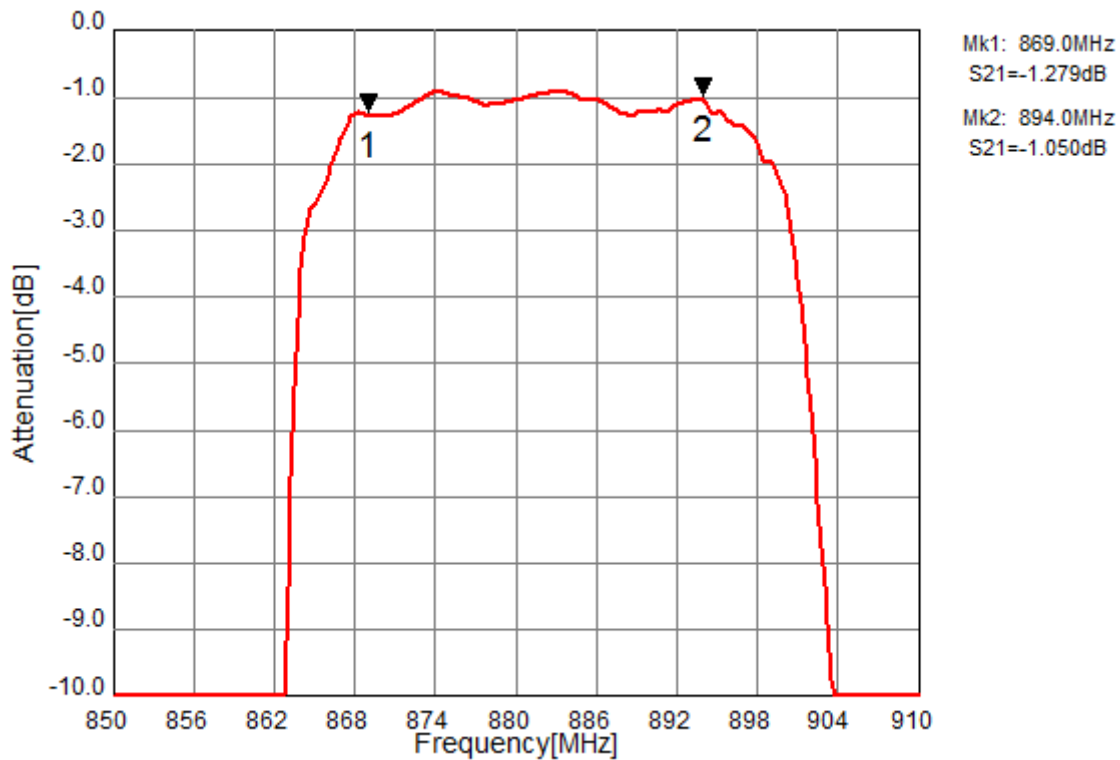


Fig.2 In-band Characteristics



MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band5 Rx	Date	Jan.7, 2014
Part Number	F5QA881M5M2AU	Version 3.0cB	Final

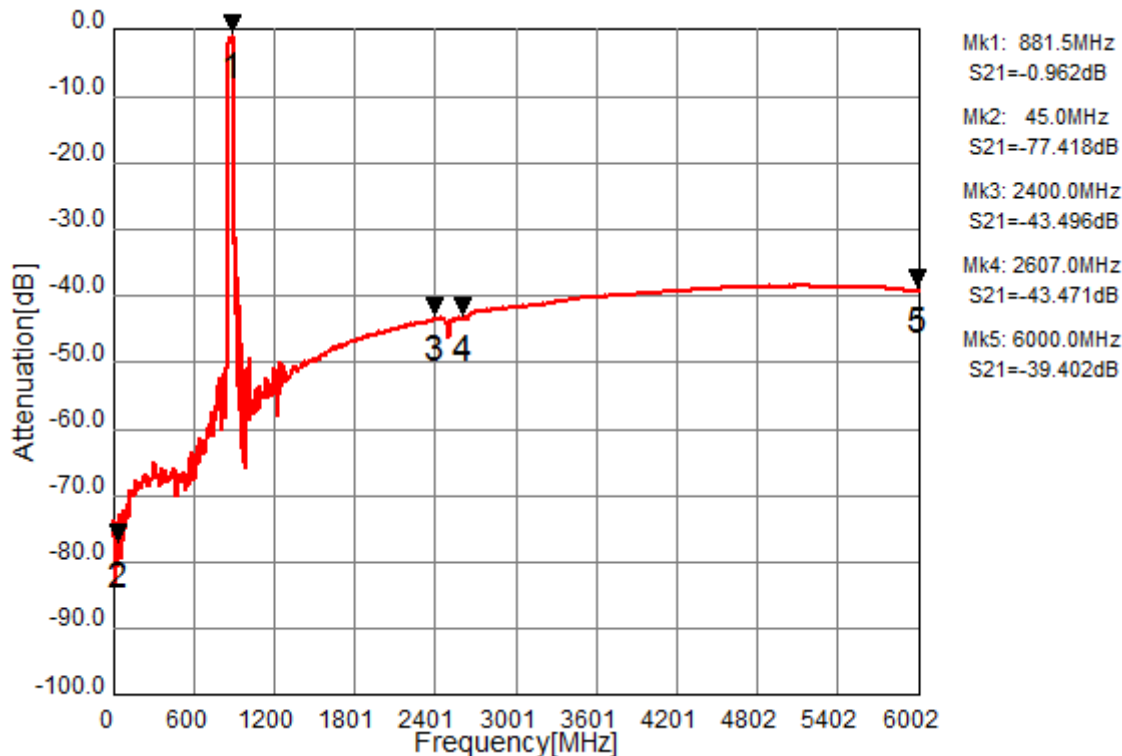


Fig.3 Wide-band Characteristics

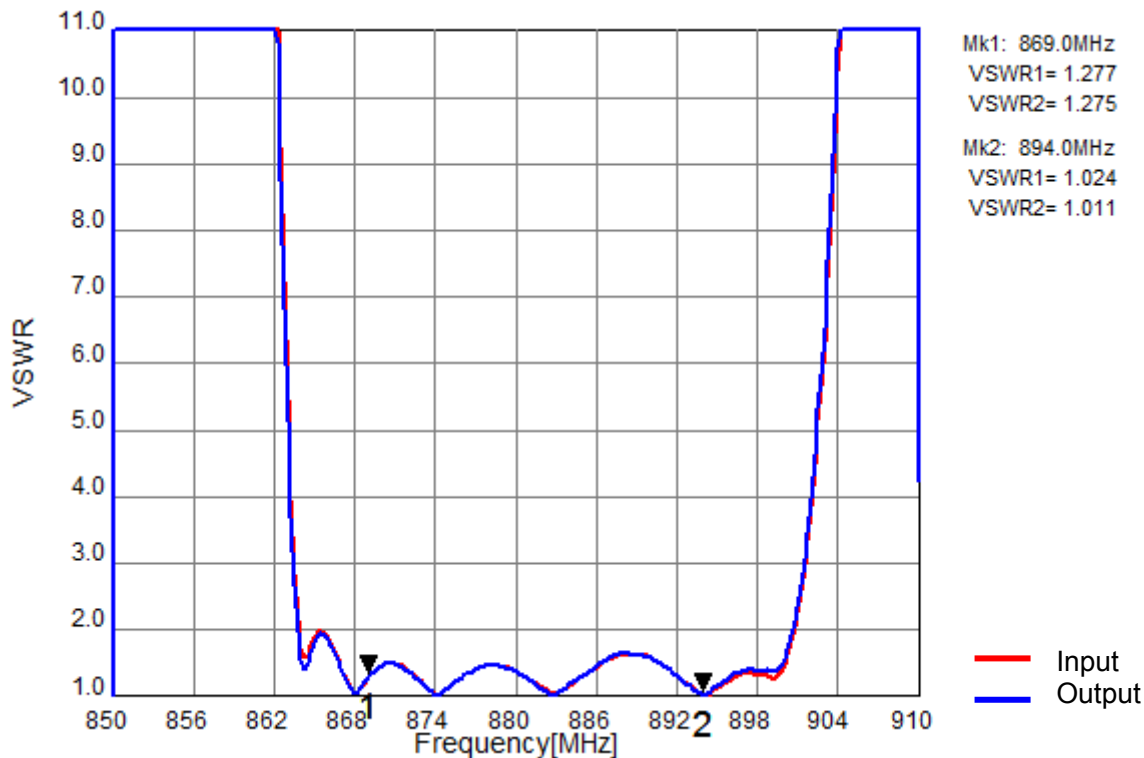


Fig.4 VSWR



MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band5 Rx	Date	Jan.7, 2014
Part Number	F5QA881M5M2AU	Version 3.0cB	Final

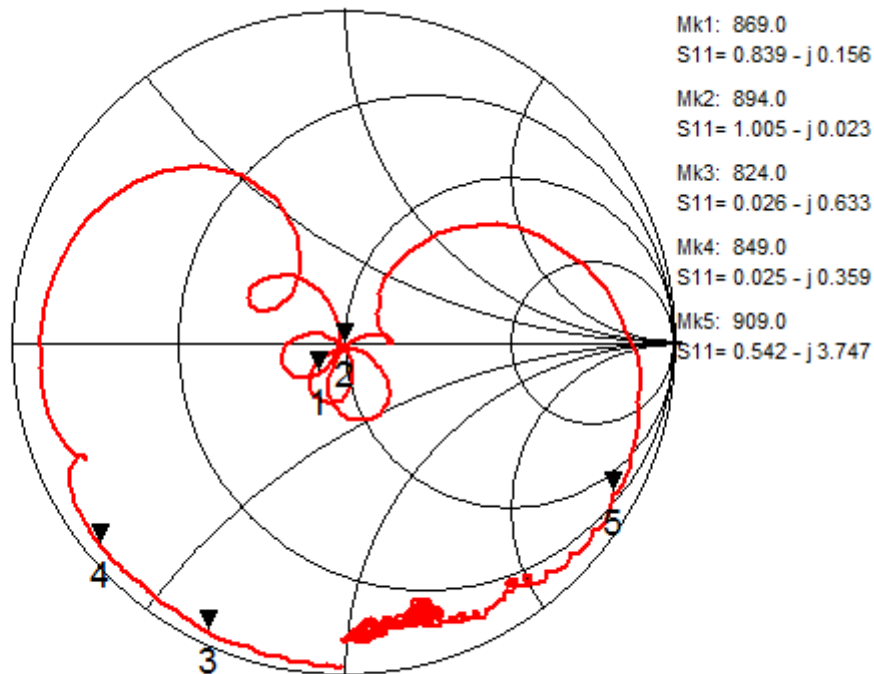


Fig.5 Input Impedance

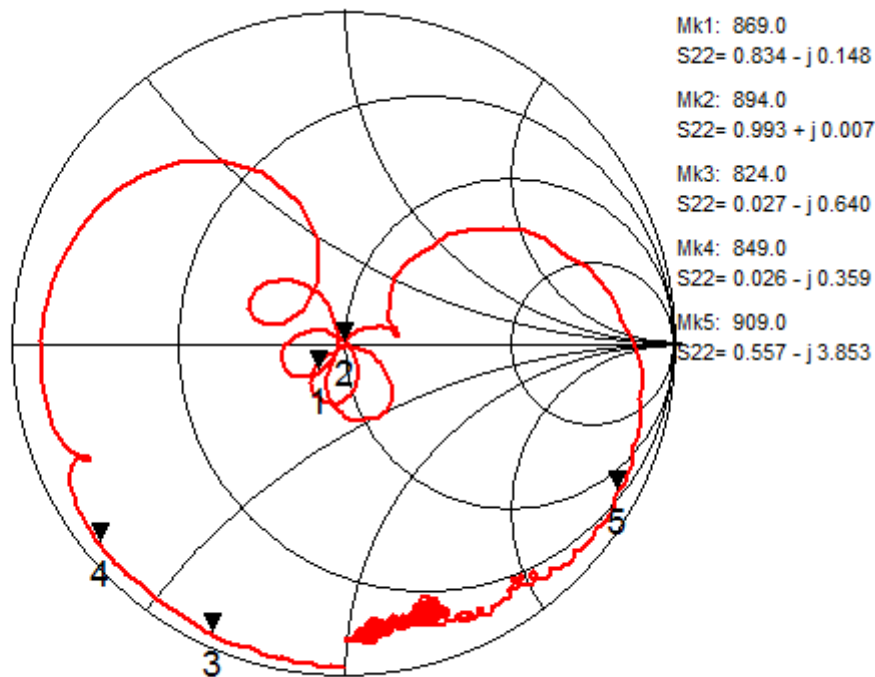


Fig.6 Output Impedance



MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band5 Rx	Date	Jan.7, 2014
Part Number	F5QA881M5M2AU	Version 3.0cB	Final

## Ordering Code

Ordering Code	Packing	Reel size	Status
F5QA881M5M2AU-J	Tape & Reel	5,000pcs.	MP
F5QA881M5M2AU-JA	Tape & Reel	less than 5,000 pcs.	MP
F5QA881M5M2AU-Y	Tape & Reel	15,000pcs	MP
F5QA881M5M2AU-YA	Tape & Reel	less than 15,000 pcs.	MP
F5QA881M5M2AU-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.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Signal Conditioning category](#):*

*Click to view products by [Taiyo Yuden manufacturer](#):*

Other Similar products are found below :

[MAPDCC0001](#) [MAPDCC0004](#) [PD0409J5050S2HF](#) [880157](#) [HHS-109-PIN](#) [DC1417J5005AHF](#) [AFS14A30-2185.00-T3](#) [AFS14A35-1591.50-T3](#) [DS-323-PIN](#) [B39321R801H210](#) [1A0220-3](#) [JP510S](#) [LFB212G45SG8C341](#) [LFB322G45SN1A504](#) [LFL182G45TC3B746](#) [SF2159E](#) [30057](#) [FM-104-PIN](#) [CER0813B](#) [MAPDCC0005](#) [3A325](#) [40287](#) [41180](#) [ATB3225-75032NCT](#) [BD0810N50100AHF](#) [BD2425J50200AHF](#) [C5060J5003AHF](#) [JHS-115-PIN](#) [JP503AS](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [DC3338J5005AHF](#) [43020](#) [LFB2H2G60BB1C106](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#) [XC3500P-20S](#) [10013-20](#) [SF2194E](#) [CDBLB455KCAX39-B0](#) [TGL2208-SM, EVAL](#) [RF1353C](#) [1E1305-3](#) [1F1304-3S](#) [1G1304-30](#) [B0922J7575AHF](#) [2020-6622-20](#) [10017-3](#) [TP-103-PIN](#) [BD1222J50200AHF](#)