



MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Rx	DATE	Sep. 20, 2013
Part Number	F5QA942M5M2AW	Version 5.1eB	<b>Final</b>

**Table 1. Electrical specification**

Passband: 925 ~ 960 MHz						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	925 – 960	-	2.0	3.0	dB	(*1)
Ripple	925 – 960	-	1.3	2.3	dB	
VSWR(Input)	925 – 960	-	1.9	2.3	-	
VSWR(Output)	925 – 960	-	2.0	2.3	-	
Absolute attenuation	880 – 915	46	48	-	dB	
	980 – 1558	15	26	-	dB	
	1559 – 1607	40	51	-	dB	
	1850 – 1920	35	44	-	dB	
	2400 – 2500	30	38	-	dB	
	2775 – 2880	28	36	-	dB	
	3700 – 3840	25	32	-	dB	
	4625 – 4800	20	30	-	dB	
	4900 – 5950	18	27	-	dB	
	5550 – 5725	18	27	-	dB	
	6475 – 6720	15	25	-	dB	
	7400 – 7680	15	23	-	dB	
Input Impedance		50			Ohm	Single-ended
Output Impedance		50			Ohm	Single-ended
Operating temp.		-20 to +85			°C	
Package size		1.1typ.x 0.9yp.x 0.5max.			mm	

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



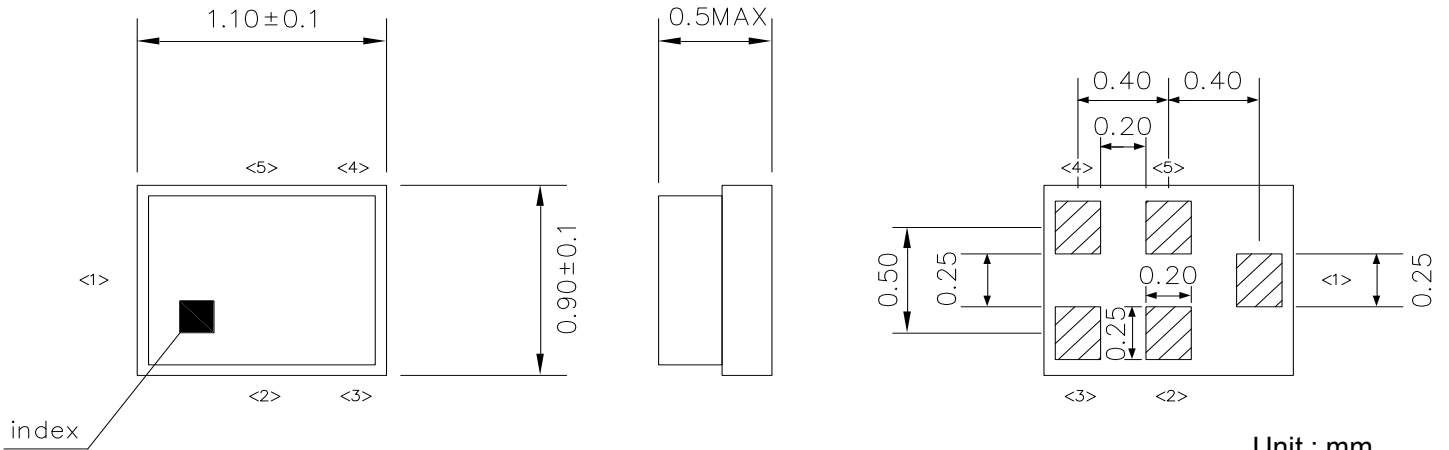
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### Dimensions

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

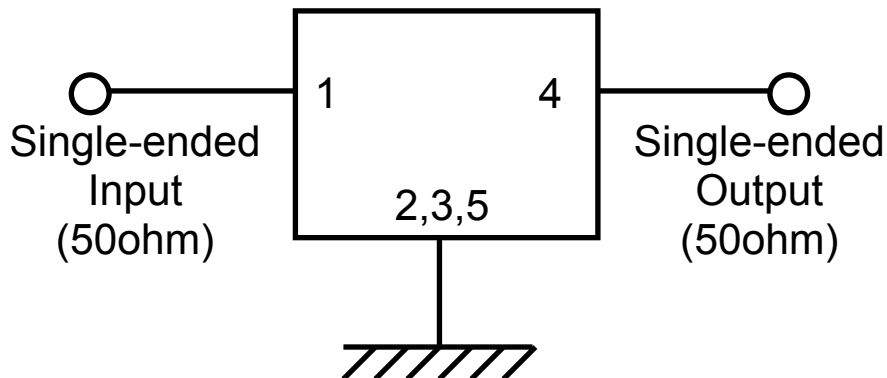


Unit : mm

### Pin Configuration

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

### Test Condition





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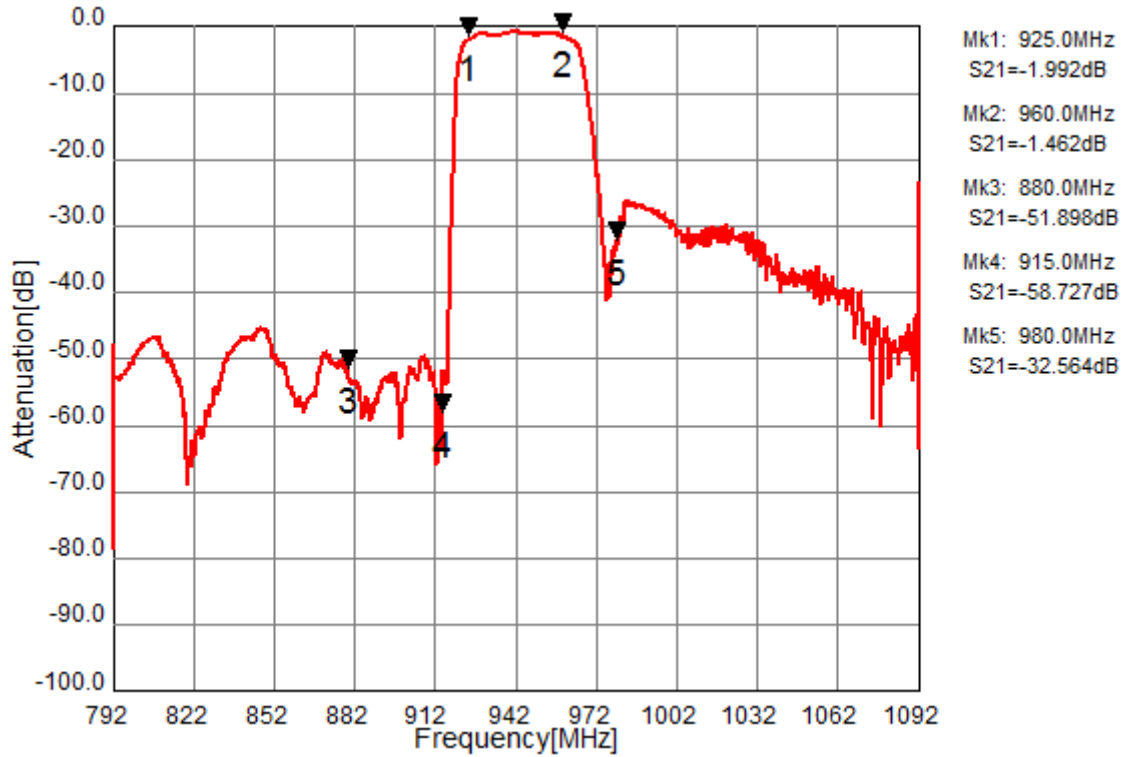


Fig.1 Pass-band Characteristics

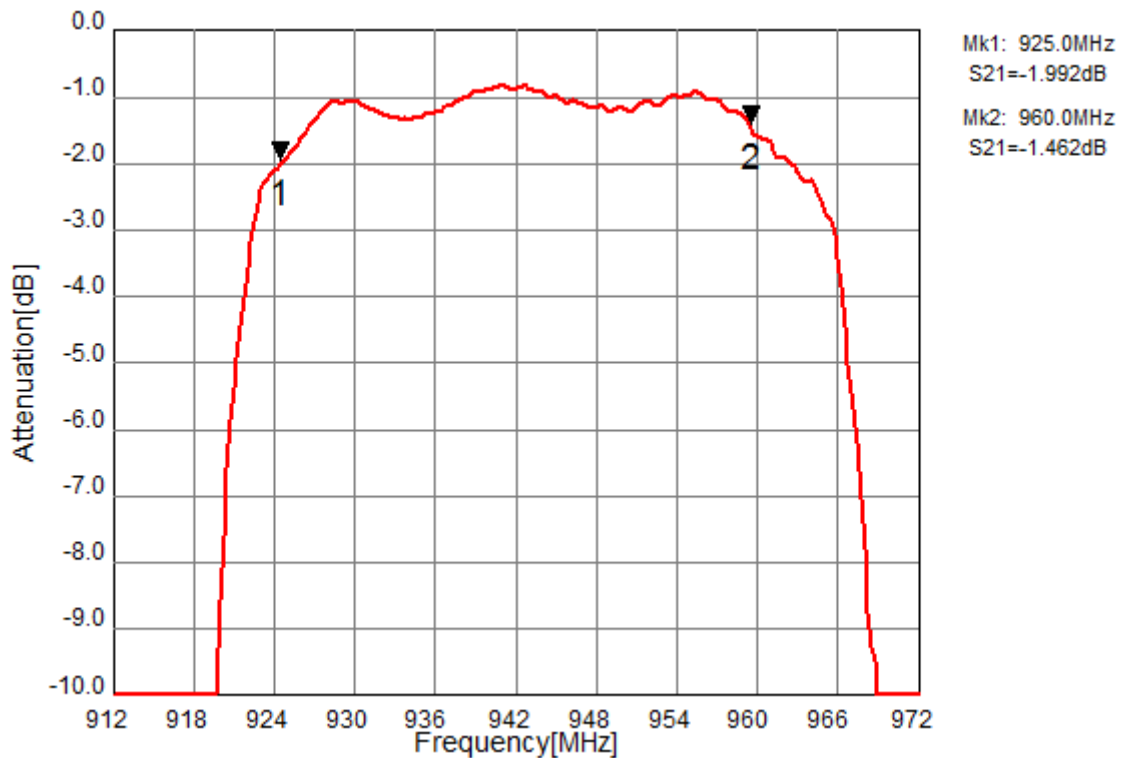


Fig.2 In-band Characteristics

These data exclude loss that comes from test board.

**TAIYO YUDEN**



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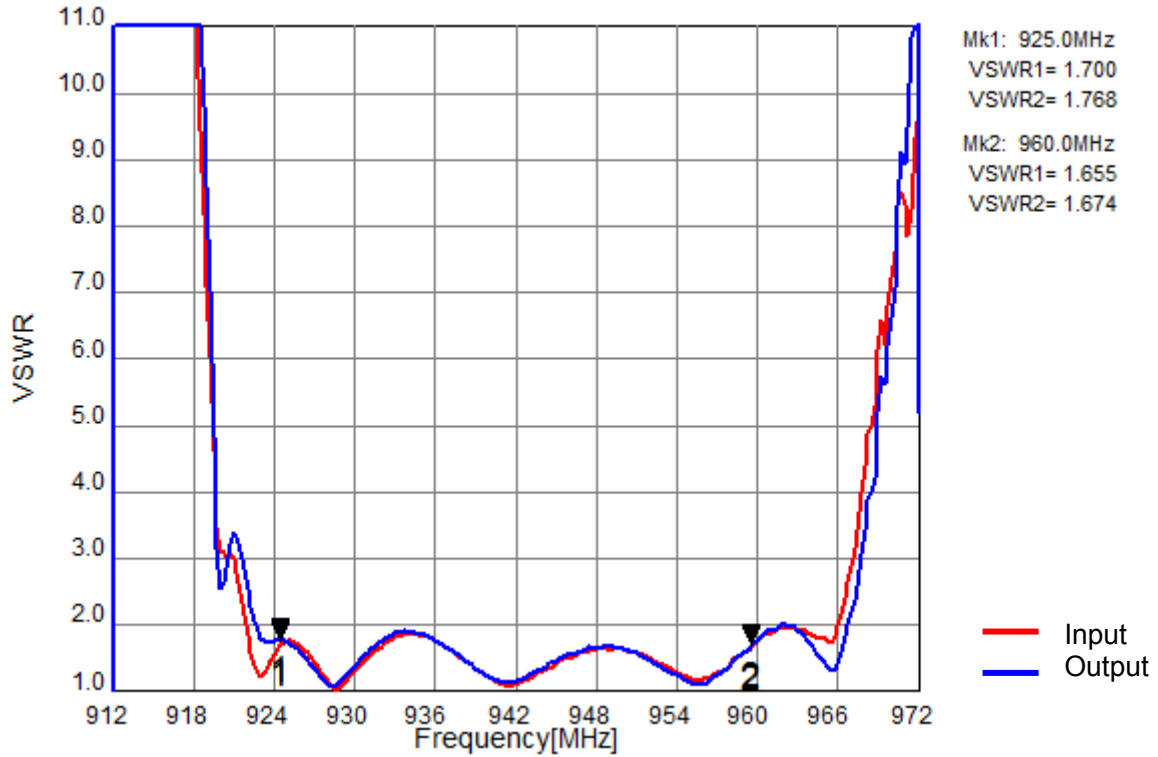


Fig.3 VSWR

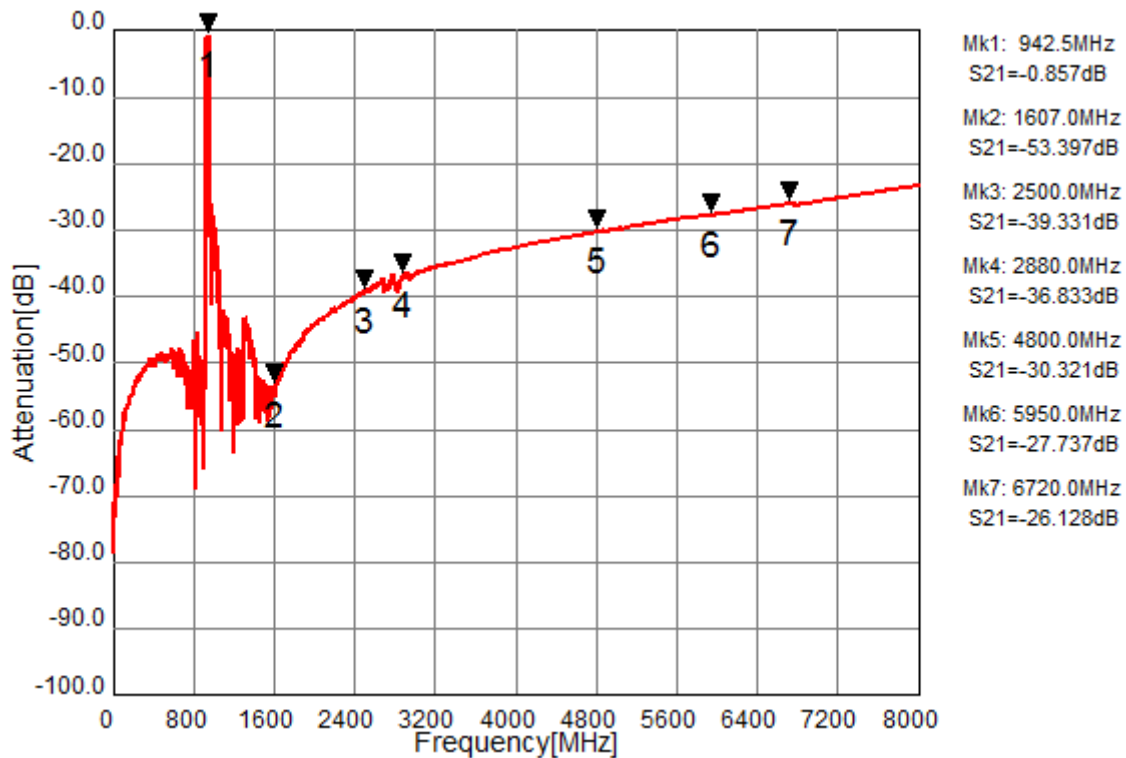


Fig.4 Wide-band Characteristics



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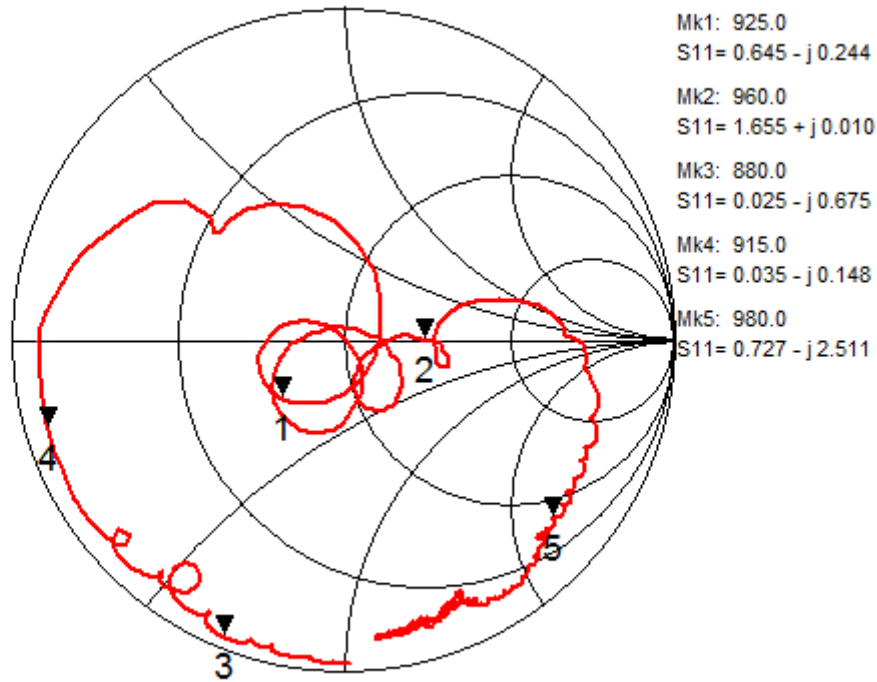


Fig.5 Input Impedance

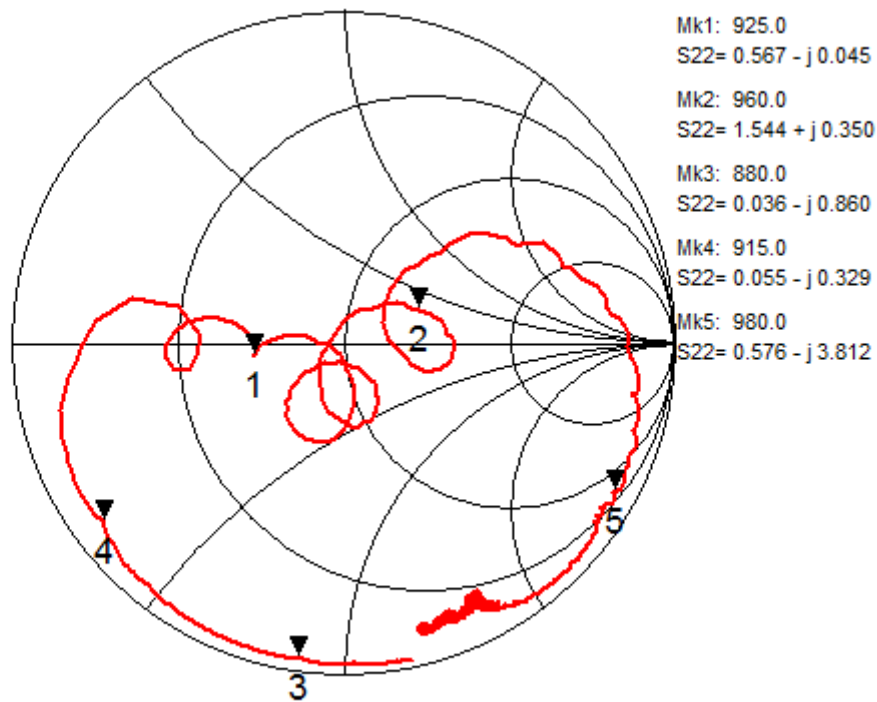


Fig.6 Output Impedance



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## Ordering Code

Ordering Code	Packing	Reel size	Status
F5QA942M5M2AW-J	Tape & Reel	5,000pcs.	MP
F5QA942M5M2AW-JA	Tape & Reel	less than 5,000 pcs.	MP
F5QA942M5M2AW-Y	Tape & Reel	15,000pcs	MP
F5QA942M5M2AW-YA	Tape & Reel	less than 15,000pcs	MP
F5QA942M5M2AW-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.