



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	Final

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.



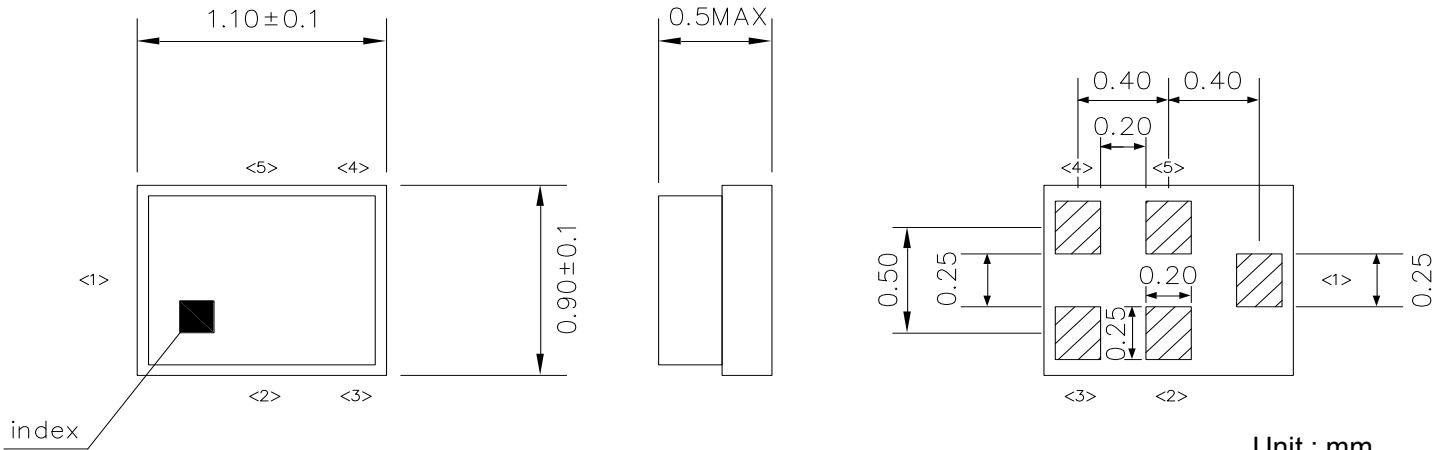
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Dimensions

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

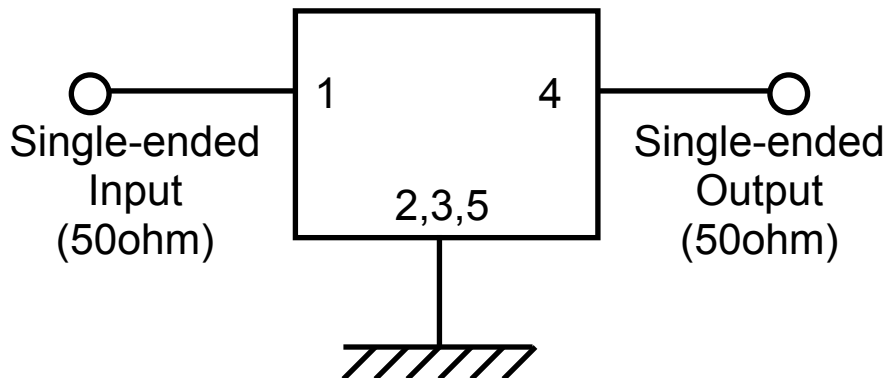


Unit : mm

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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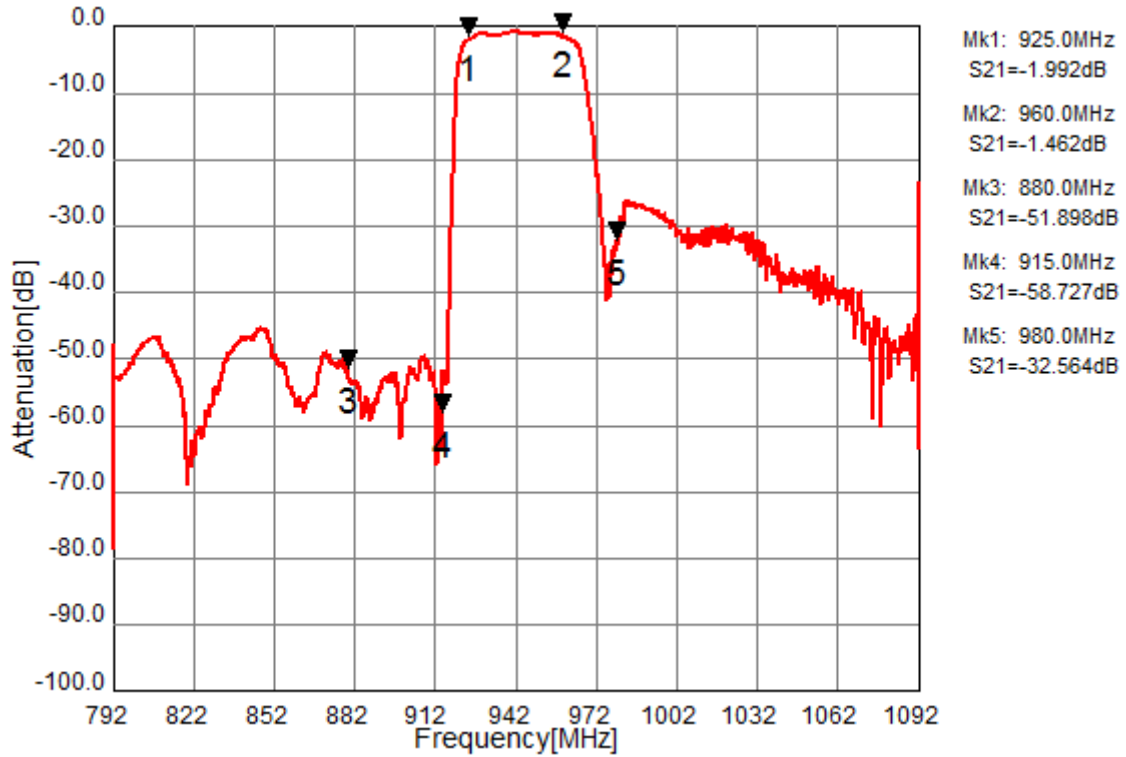


Fig.1 Pass-band Characteristics

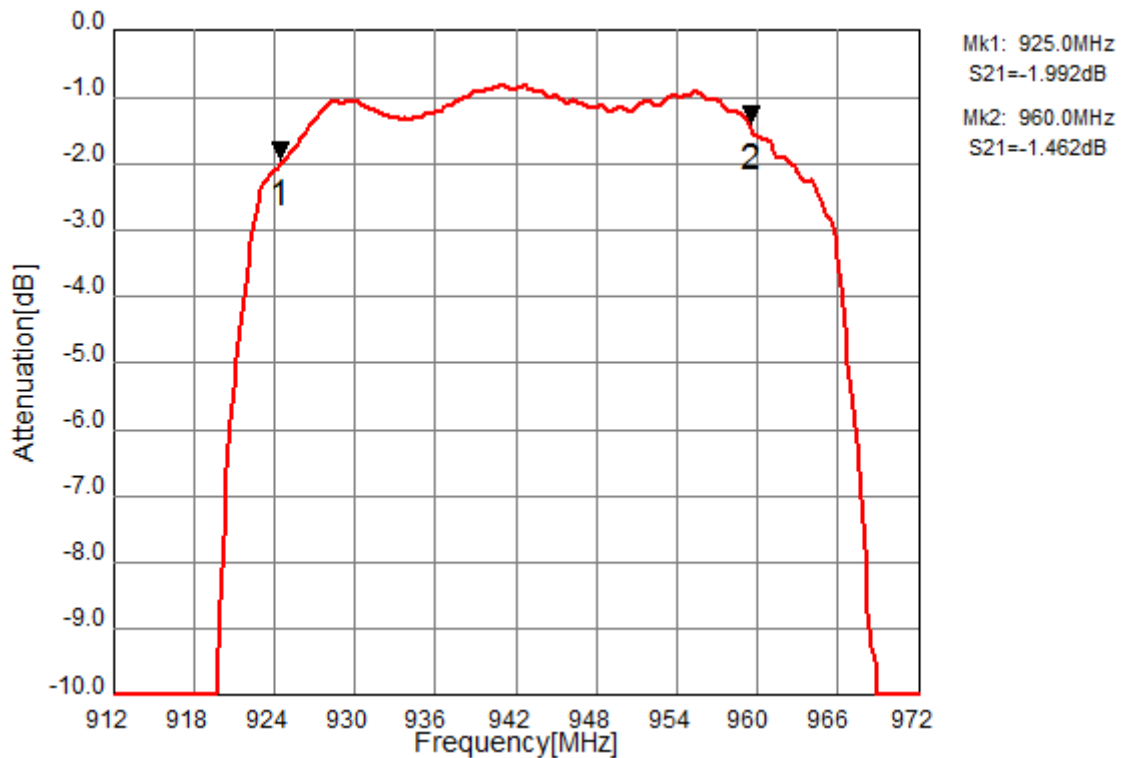


Fig.2 In-band Characteristics

These data exclude loss that comes from test board.

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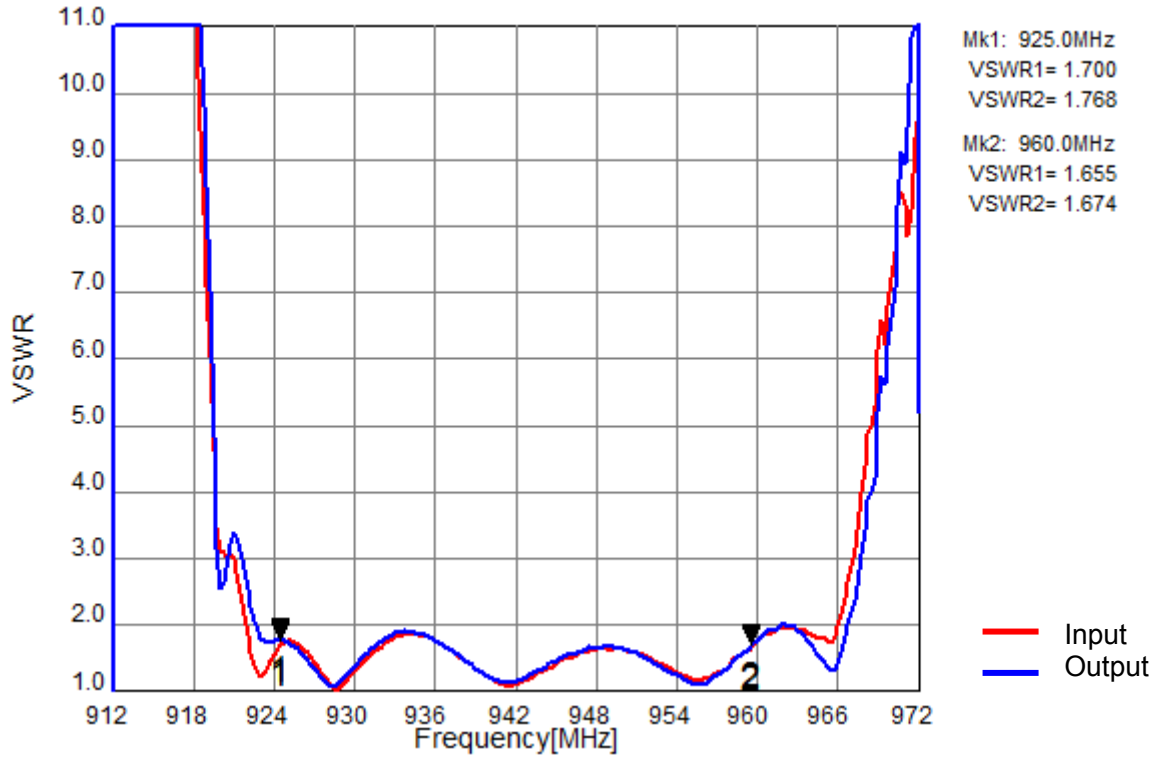


Fig.3 VSWR

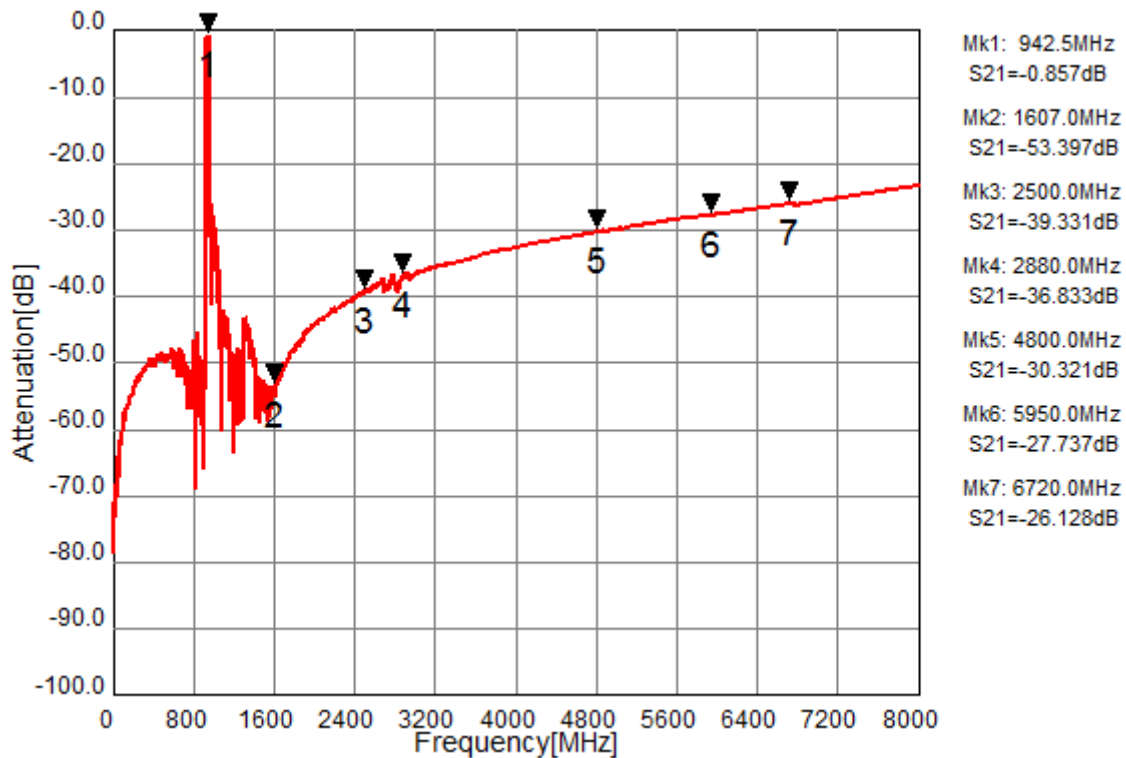


Fig.4 Wide-band Characteristics

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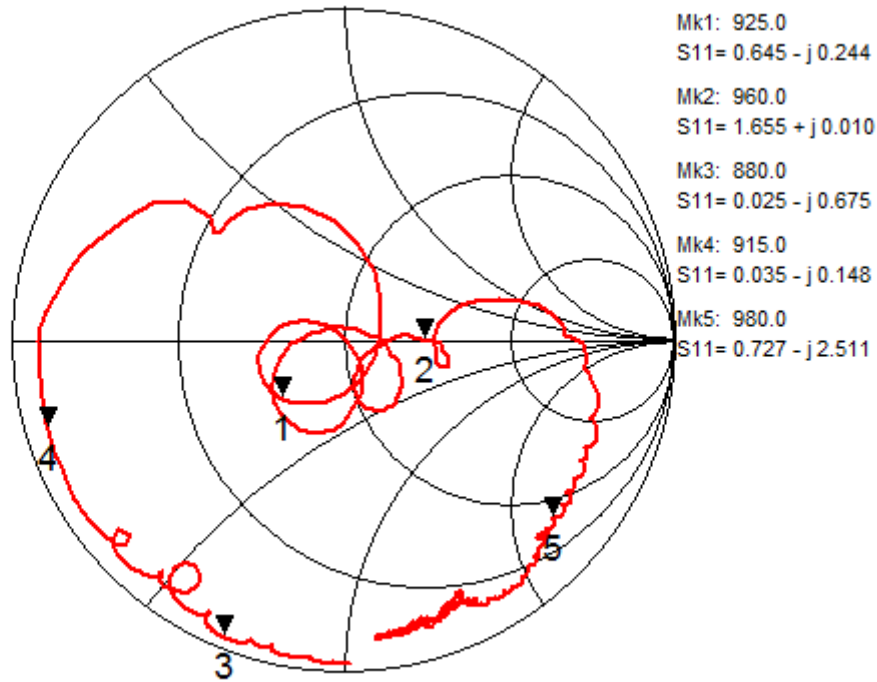


Fig.5 Input Impedance

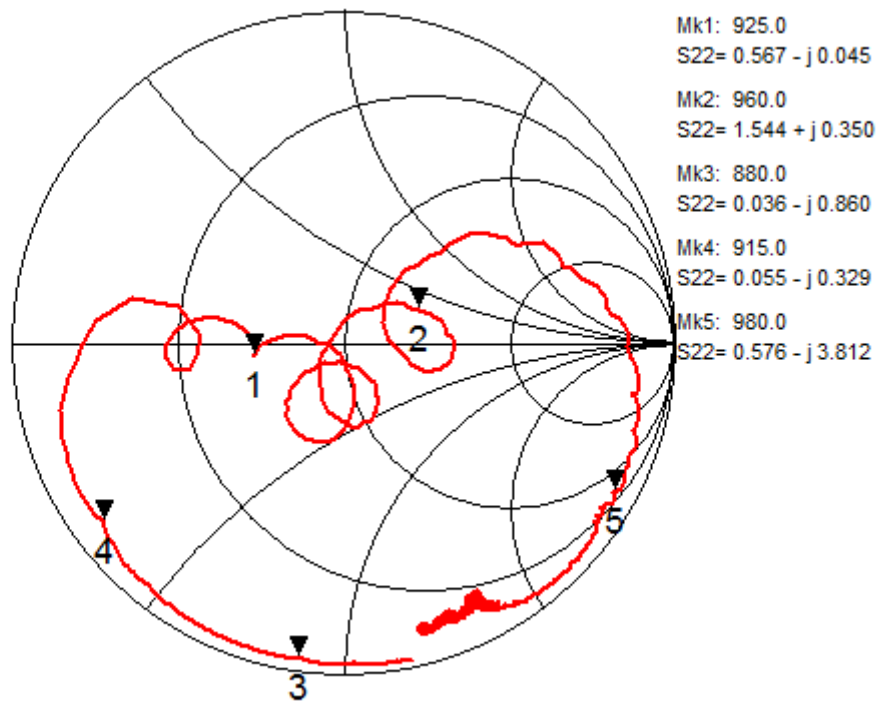


Fig.6 Output Impedance



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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

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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.

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