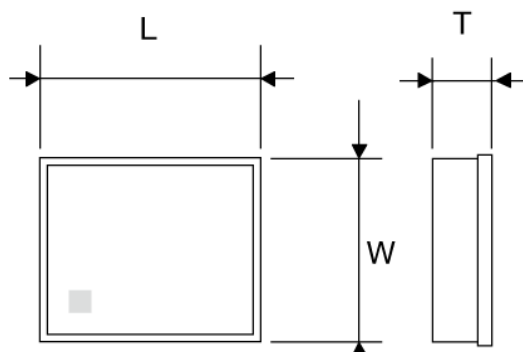


SAW Filter

F5QA897M5M2AC



■ Features

- Item Summary
GSM900 , Tx, 403
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 5000 , 15000pcs

■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B8
Use	GSM
Transmitting / Receiving	Tx Filter
Insertion Loss	2.3dB
Attenuation	18dB
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	1.1mm +0.1:-0.1
W	0.9mm +0.1:-0.1
T	0.5mm max

2015.06.03

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.



* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Tx (50/50ohm)	DATE	Mar. 29, 2012
Part Number	F5QA897M5M2AC	Version 1.3 a	Final

Table 1.Electrical specifications

Item	Condition	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	880.4 - 914.6 MHz	-	2.3	2.8	dB(*1)	
Ripple	880.4 - 914.6 MHz	-	0.8	1.6	dB	
Absolute Attenuation	DC - 860 MHz	30	50	-	dB	
	860 - 870 MHz	20	28	-	dB	
	925.4 - 935 MHz	10	18	-	dB	
	935 - 959.4 MHz	24	28	-	dB	
	1760 - 1830 MHz	34	44	-	dB	
	2640 - 2745 MHz	30	39	-	dB	
VSWR(Input)	880.4 - 914.6 MHz	-	2.2	2.5	-	
VSWR(Output)	880.4 - 914.6 MHz	-	2.1	2.5	-	
Input Power	880.4 - 914.6 MHz	-	-	13	dBm	
Input Impedance	Unbalance	50			ohm	
Output Impedance	Unbalance	50			ohm	
Device Size		1.1typ. x 0.9typ. x 0.5max.			mm	
Operating temp.		-30 ~ +85			°C	

(*1) Specification of insertion loss includes loss that comes from the test board.(0.05dB)



* Pb Free Part

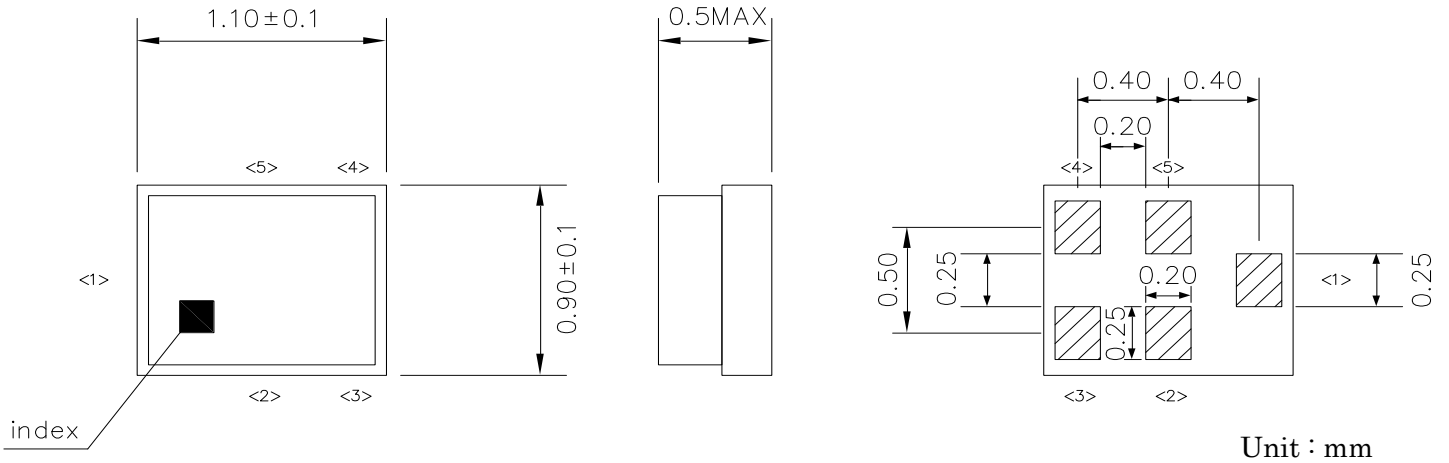


MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Tx (50/50ohm)	DATE	Mar. 29, 2012
Part Number	F5QA897M5M2AC	Version 1.3 a	Final

Dimensions

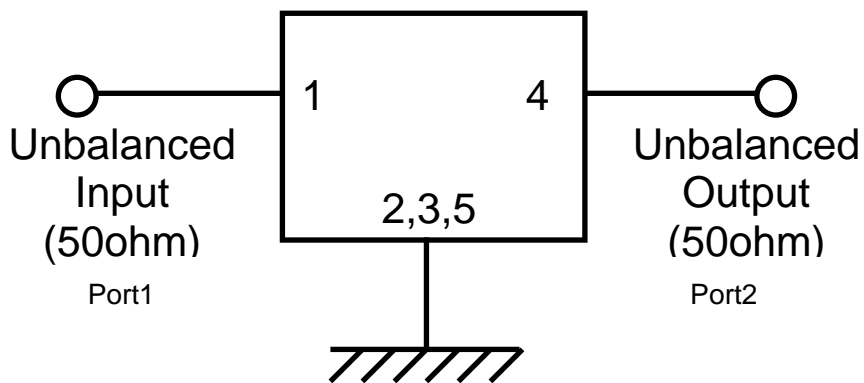
Device size: 1.1typ. x 0.9typ. x 0.5max



Pin Configuration

Pin No.	Symbol	Function
1	IN	Unbalanced pin
2	GND	Ground
3	GND	Ground
4	OUT	Unbalanced pin
5	GND	Ground

Test Condition





* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
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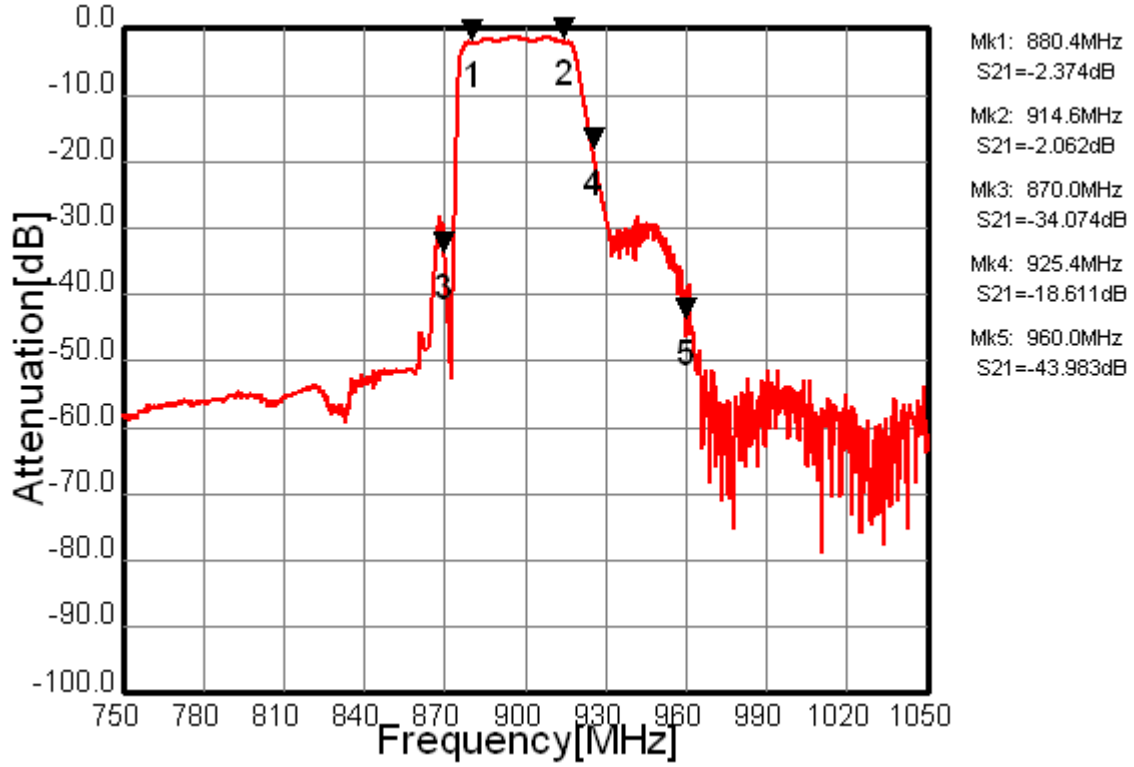


Fig.1 Pass-band Characteristics

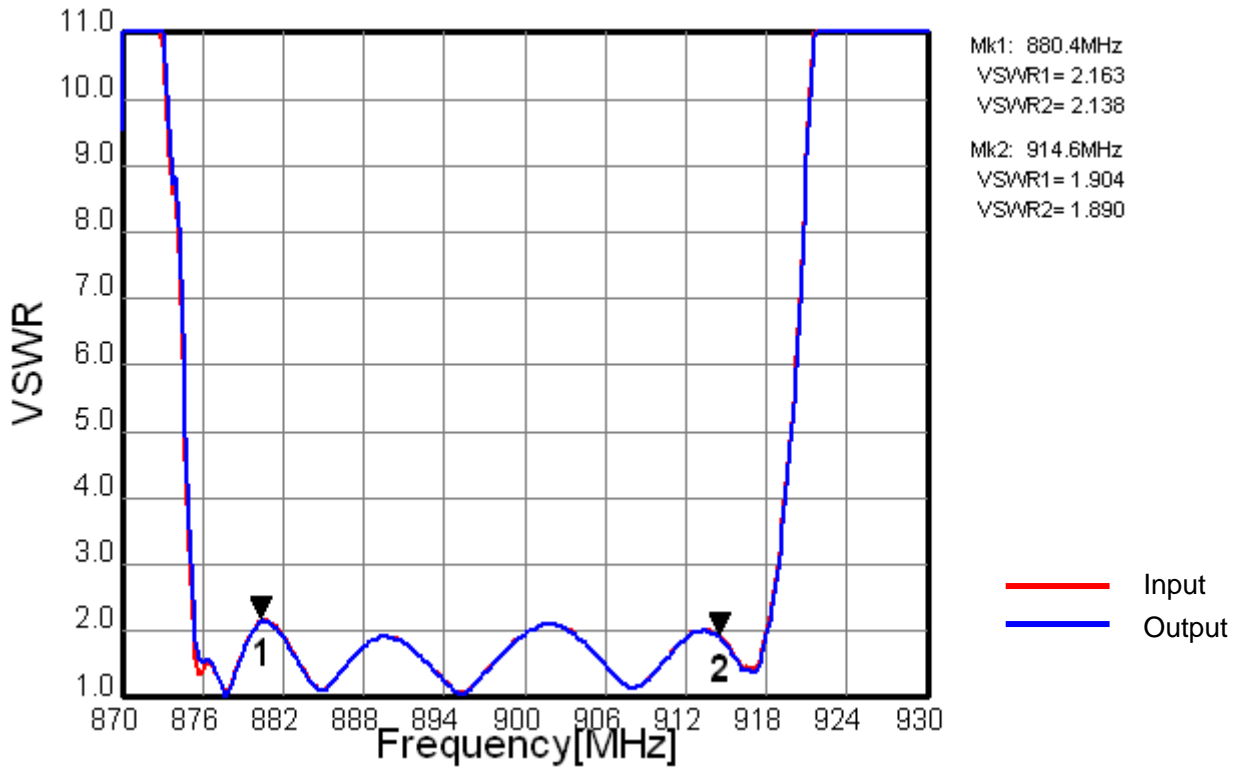


Fig.2 VSWR



* Pb Free Part



MSL1

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System	Band8 Tx (50/50ohm)	DATE	Mar. 29, 2012
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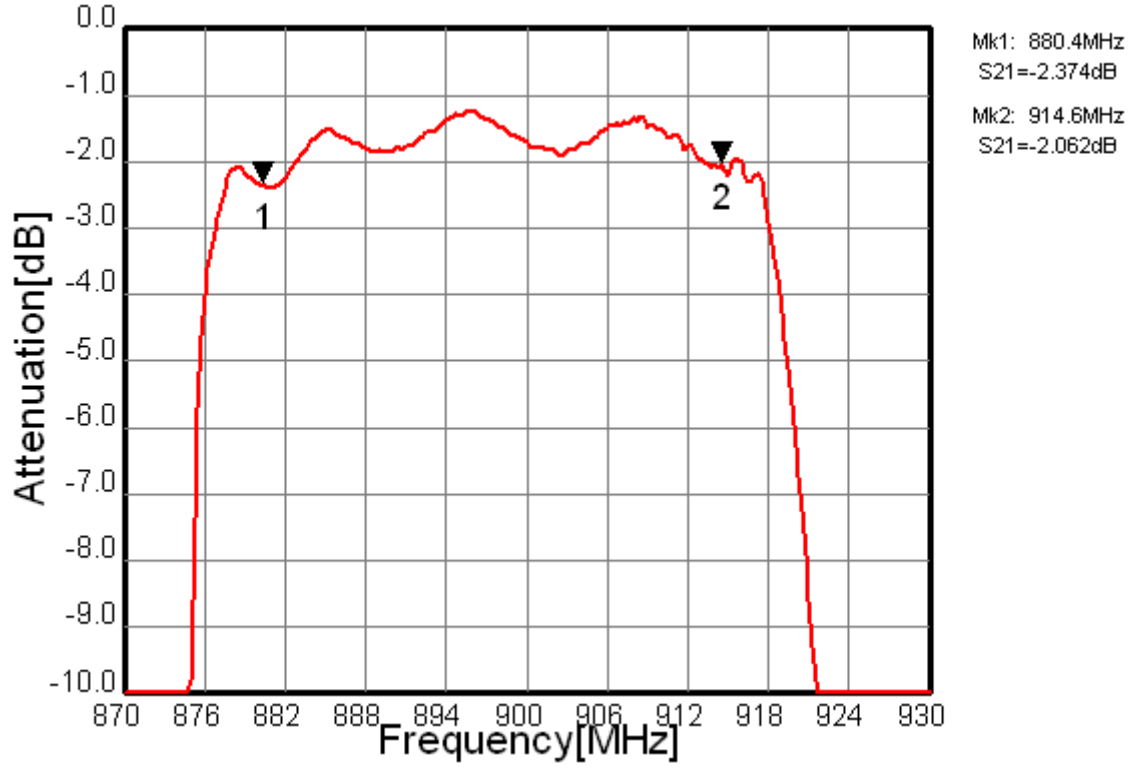


Fig.3 In-band Characteristics

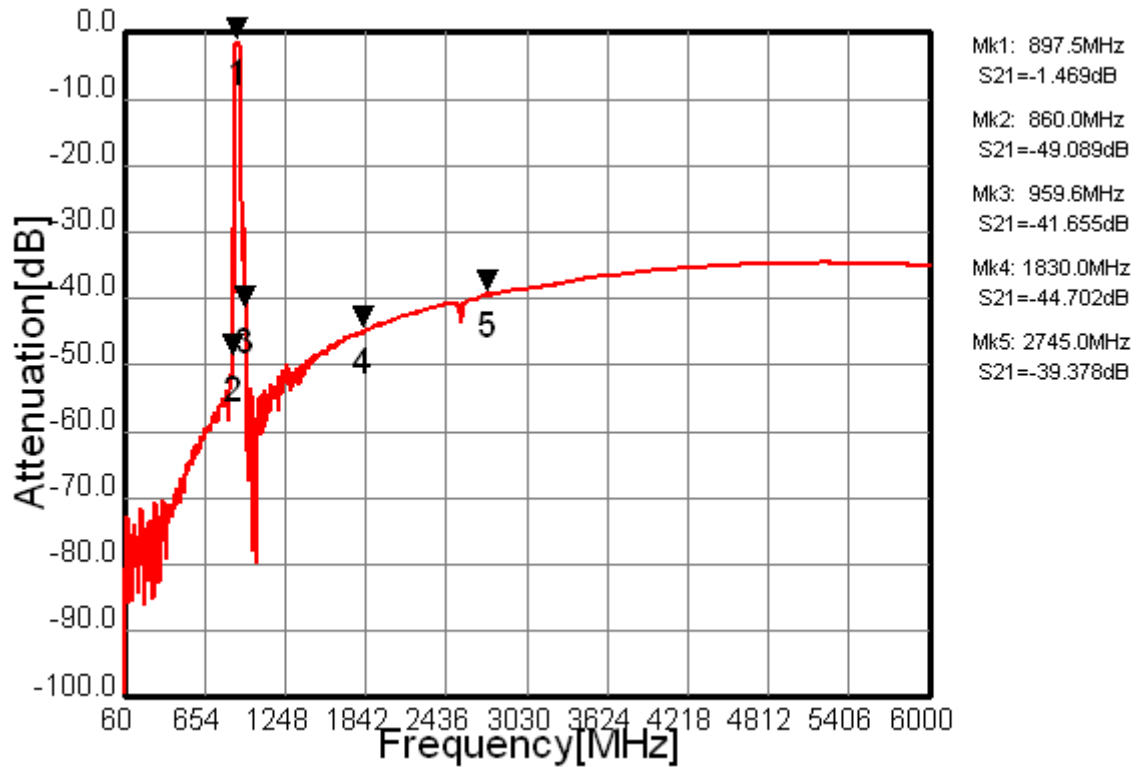


Fig.4 Wide-band Characteristics



* Pb Free Part



MSL1

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System	Band8 Tx (50/50ohm)	DATE	Mar. 29, 2012
Part Number	F5QA897M5M2AC	Version 1.3 a	Final

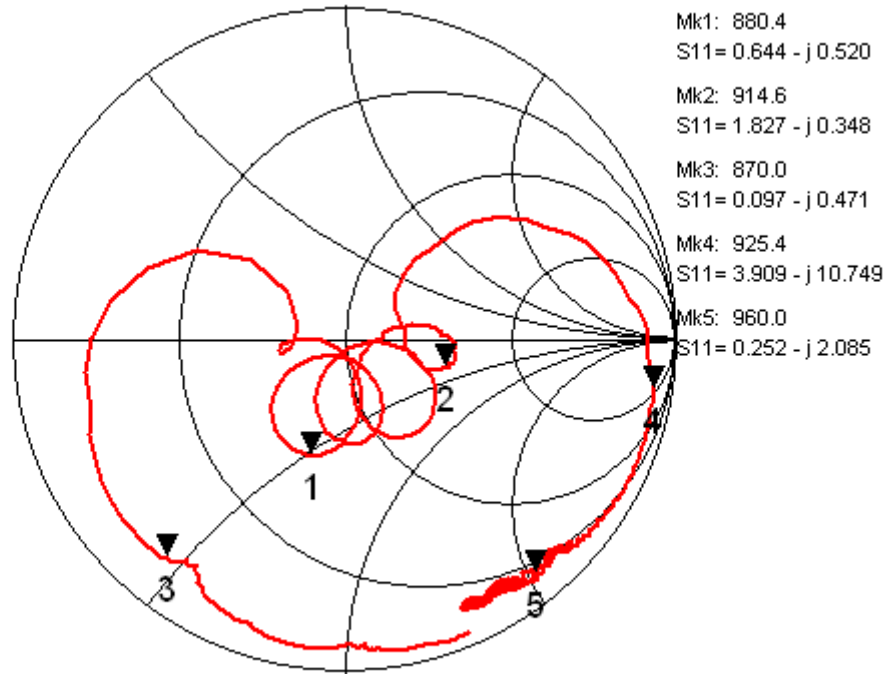


Fig.5 Input Impedance

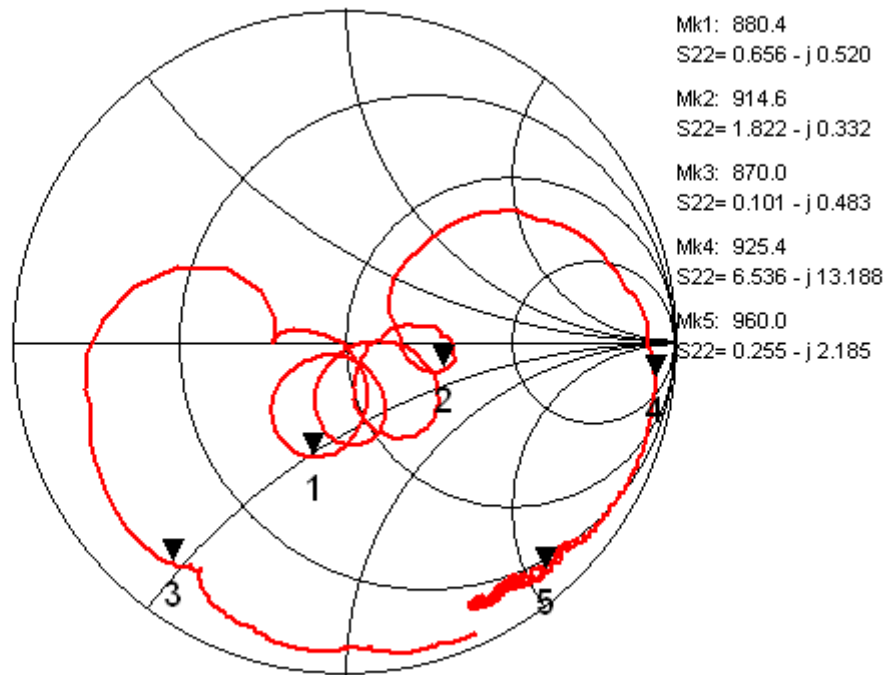


Fig.6 Output Impedance



* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Tx (50/50ohm)	DATE	Mar. 29, 2012
Part Number	F5QA897M5M2AC	Version 1.3 a	Final

Ordering Code

Ordering Code	Packing	Reel size	Status
F5QA897M5M2AC-J	Tape & Reel	5,000pcs.	MP
F5QA897M5M2AC-JA	Tape & Reel	less than 5,000 pcs.	MP
F5QA897M5M2AC-Y	Tape & Reel	15,000pcs	MP
F5QA897M5M2AC-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.