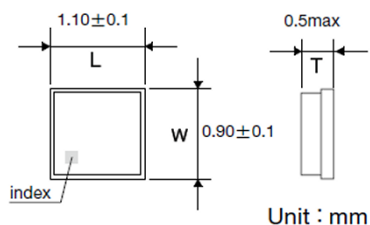


FBAR/SAW Devices (SAW Type)

F5QA876M5M2QP



■ Features

- Item Summary
SAW, Rx Type, 1.1x0.9x0.5mm
Band26
- 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	Band26
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 specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band26 Rx	Date	Dec 18, 2013
Part Number	F5QA876M5M2QP	Version 4.0d	Final

Table 1. Electrical Specification

PassBand: 859~894MHz						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	859 – 894	-	2.2	3.2	dB	(*1)
Ripple	859 – 894	-	1.3	2.5	dB	
VSWR (Input)	859 – 894	-	2.1	2.4	-	
VSWR (Output)	859 – 894	-	2.1	2.4	-	
Absolute Attenuation	1 – 447	40	71	-	dB	
	814 – 849	46	49	-	dB	
	909 – 979	15	24	-	dB	
	1710 – 1980	40	47	-	dB	
	2400 – 2500	35	44	-	dB	
	2500 – 6000	30	38	-	dB	
Input impedance		50			Ω	
Output impedance		50			Ω	
Temperature range		-30 to +85			°C	
Package size		1.1typ. x 0.9typ. x 0.5max.			mm	

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



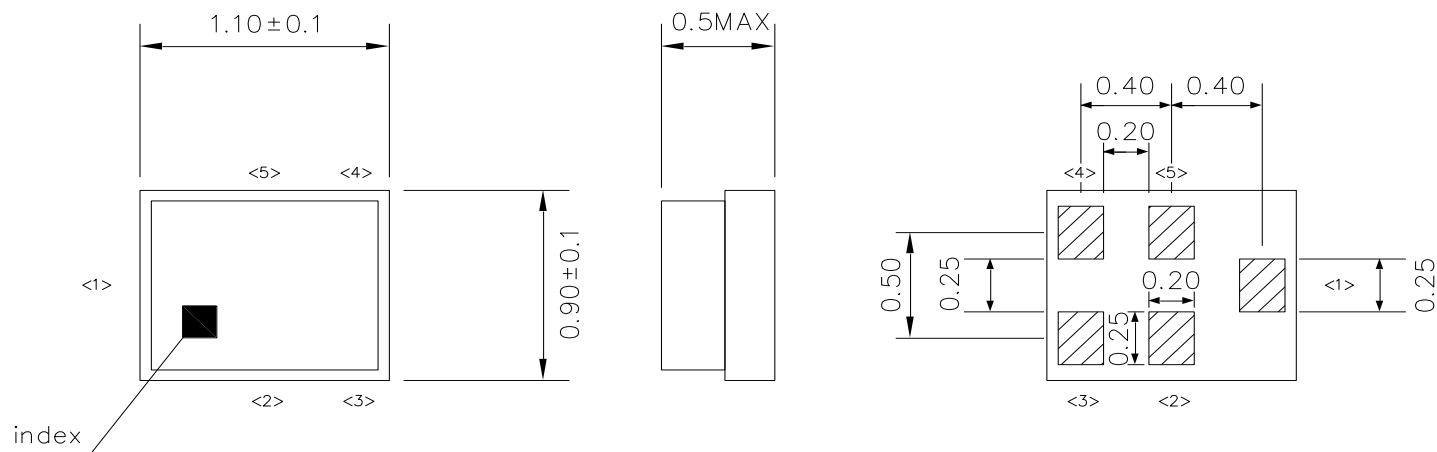
MSL1

* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band26 Rx	Date	Dec 18, 2013
Part Number	F5QA876M5M2QP	Version 4.0d	Final

Dimensions

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

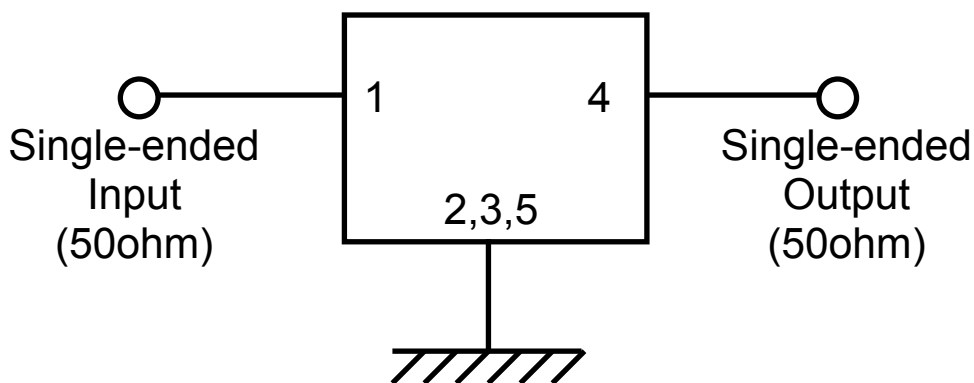


Unit : mm

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



1~5: Pin No.



MSL1

* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band26 Rx	Date	Dec 18, 2013
Part Number	F5QA876M5M2QP	Version 4.0d	Final

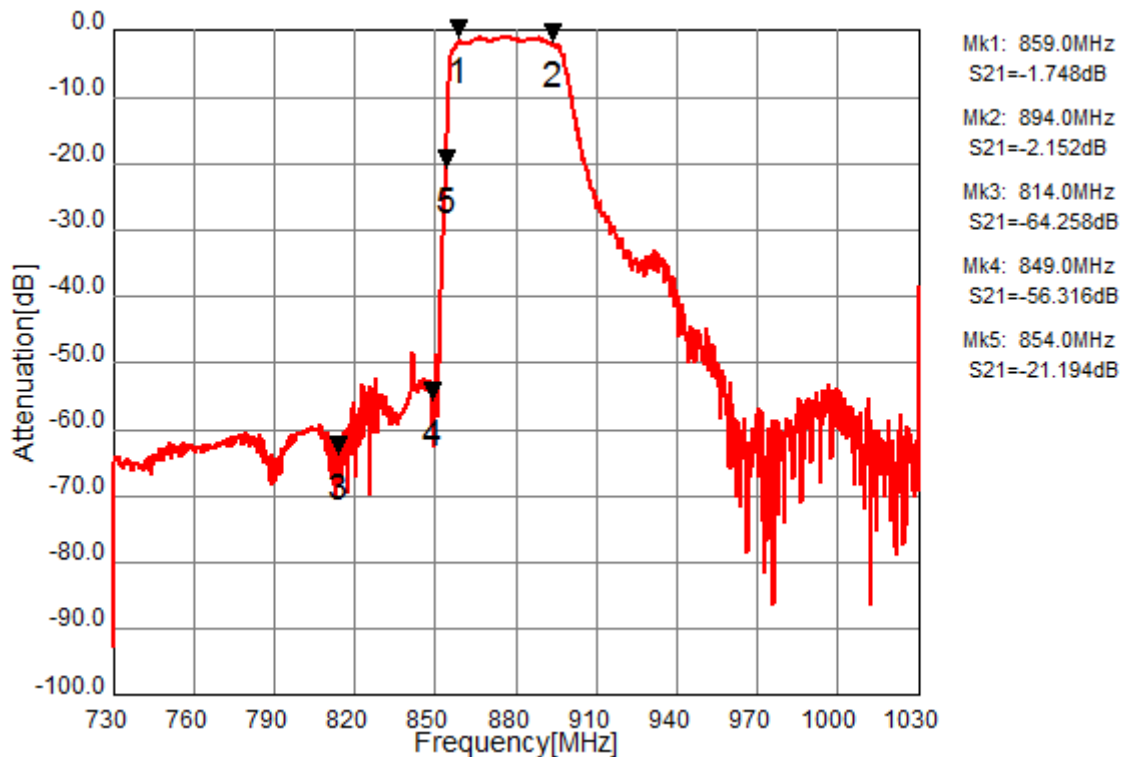


Fig.1 Pass-band Characteristic

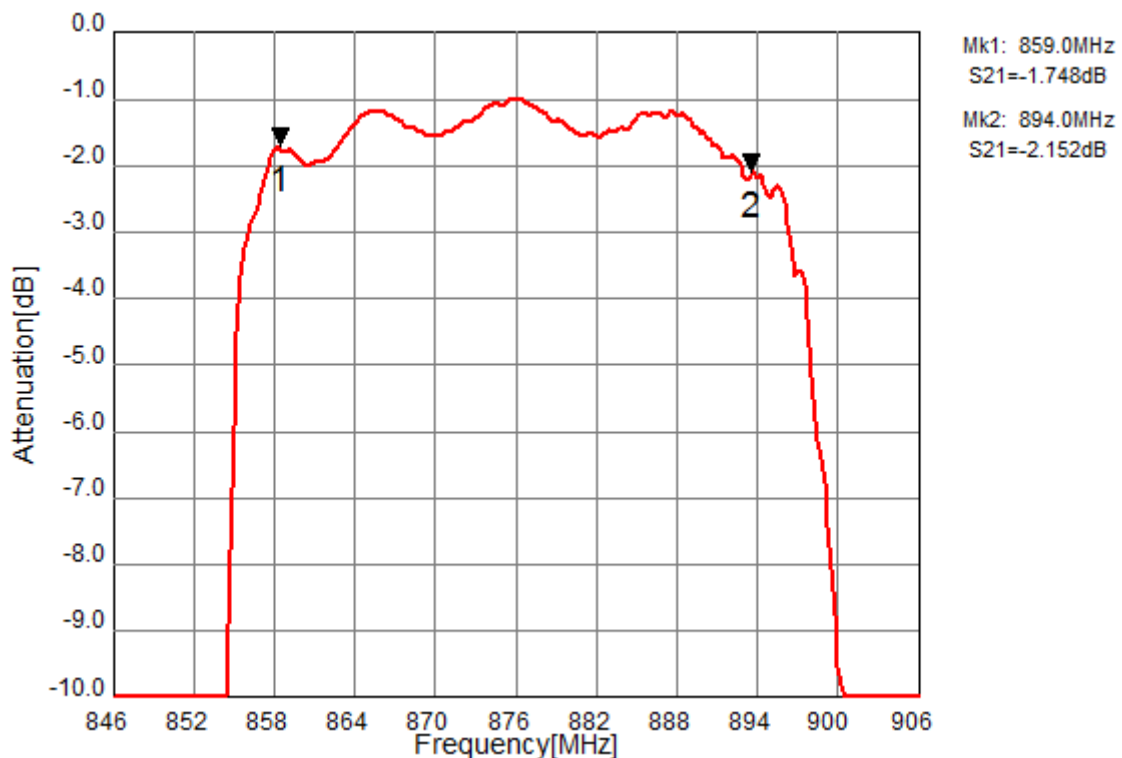


Fig.2 in-band Characteristic



MSL1

* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band26 Rx	Date	Dec 18, 2013
Part Number	F5QA876M5M2QP	Version 4.0d	Final

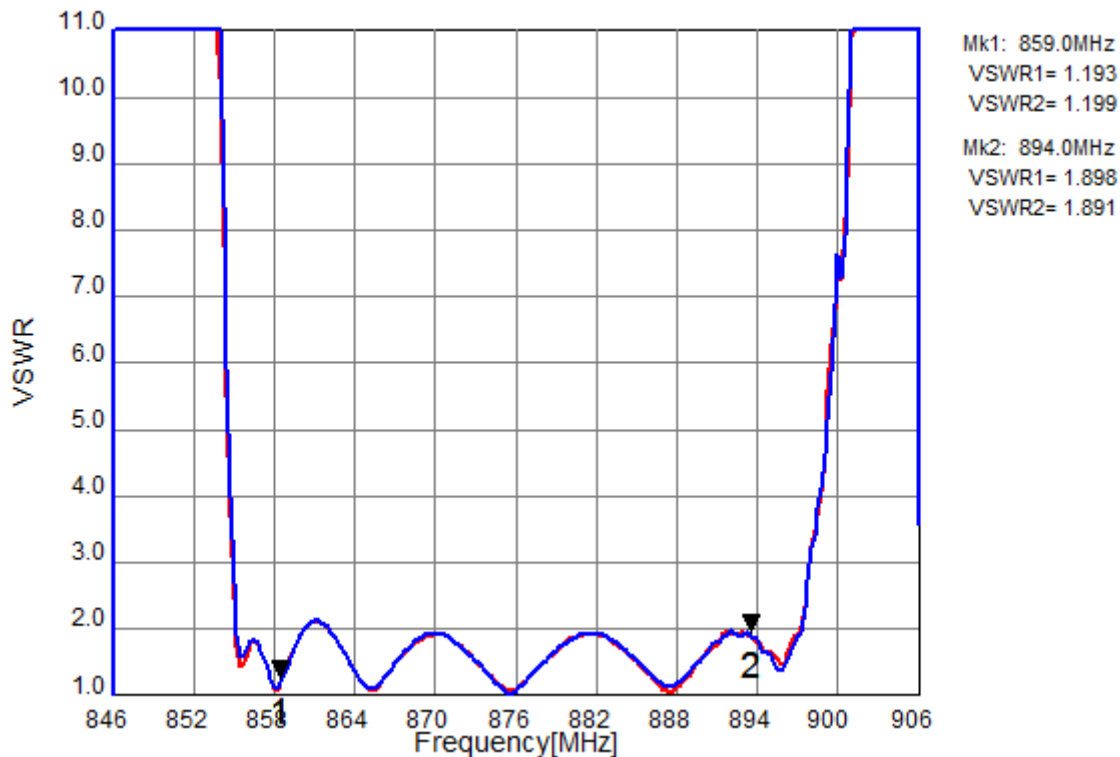


Fig.3 VSWR

— Input
— Output

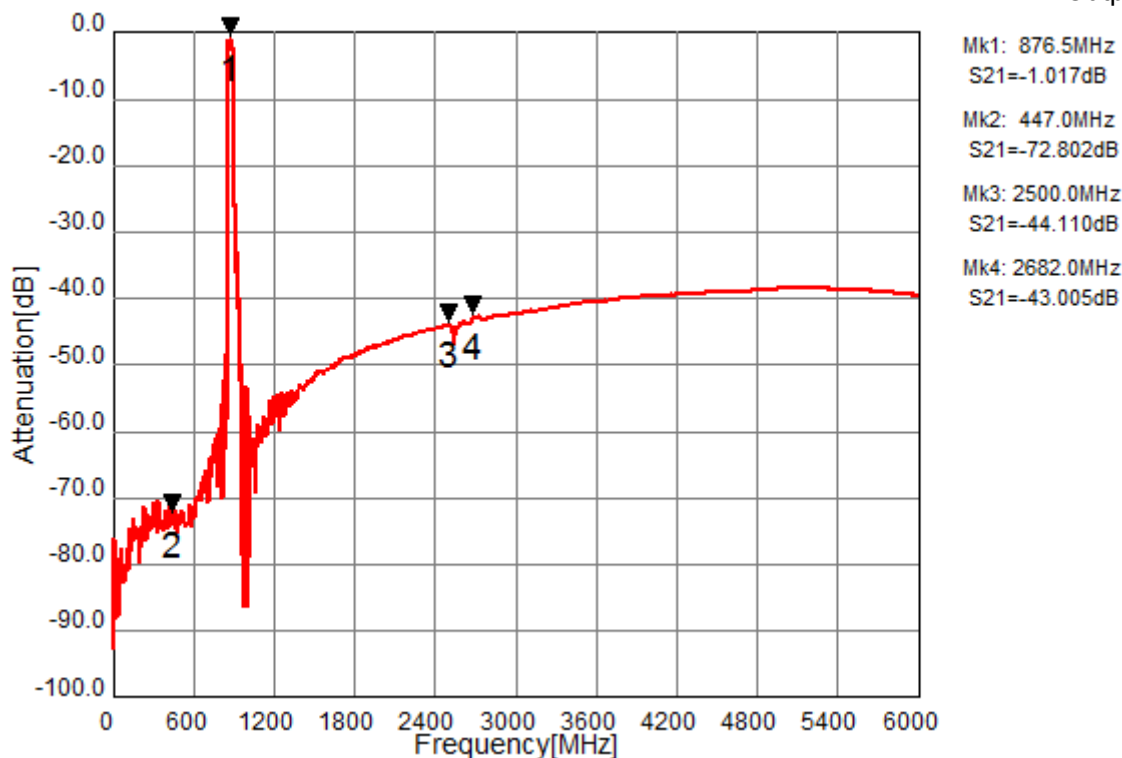


Fig.4 Wide-band Characteristic



MSL1

* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band26 Rx	Date	Dec 18, 2013
Part Number	F5QA876M5M2QP	Version 4.0d	Final

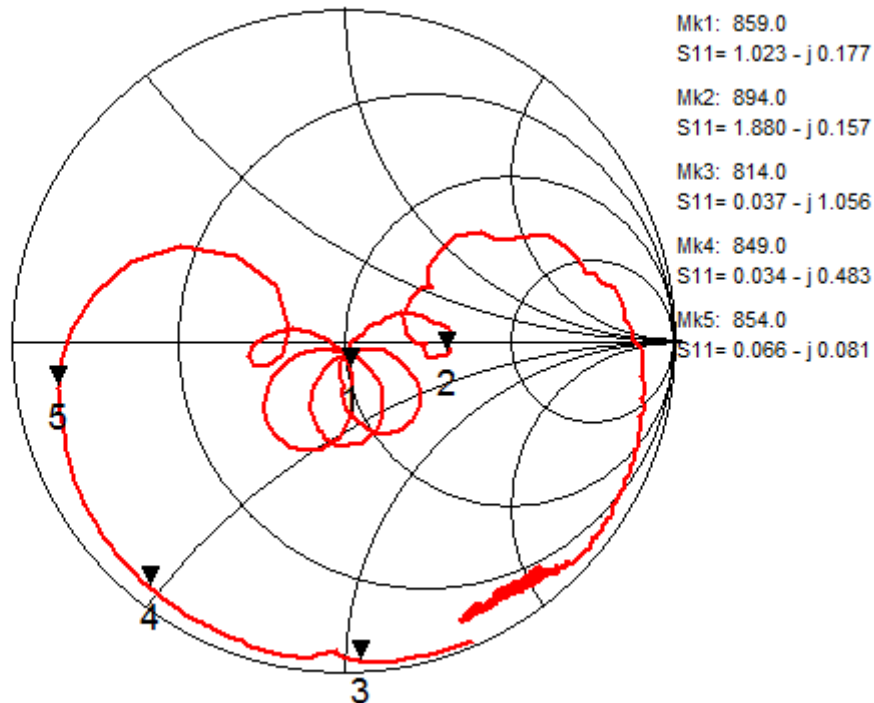


Fig.5 Impedance (INPUT)

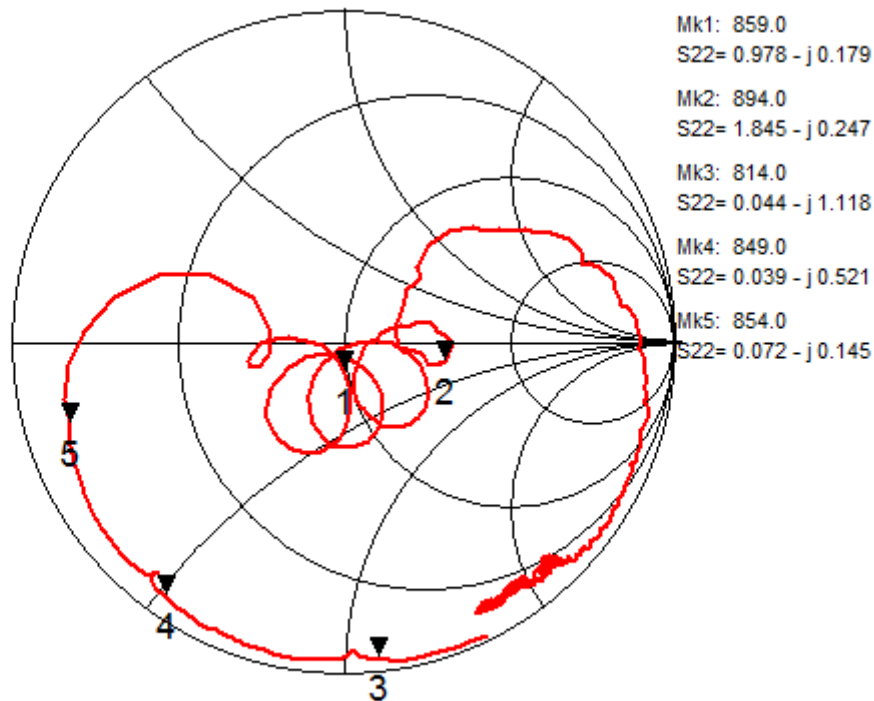


Fig.6 Impedance (OUTPUT)



* Pb Free Part



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band26 Rx	Date	Dec 18, 2013
Part Number	F5QA876M5M2QP	Version 4.0d	Final

Ordering Code

Ordering Code	Packing	Reel size	Status
F5QA876M5M2QP-J	Tape & Reel	5,000pcs.	MP
F5QA876M5M2QP-JA	Tape & Reel	less than 5,000 pcs.	MP
F5QA876M5M2QP-Y	Tape & Reel	15,000pcs	MP
F5QA876M5M2QP-YA	Tape & Reel	less than 15,000pcs.	MP
F5QA876M5M2QP-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.