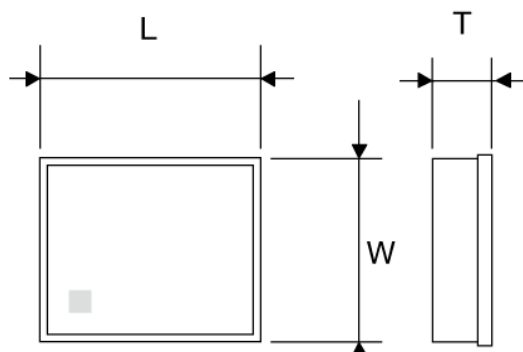


## SAW Filter

## F5KA832MOD4JS



## ■ Features

- Item Summary  
LTE / CDMA, 504
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 3000 , 15000pcs

## ■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B18
Band(3GPP2)	BC0
Use	CDMA / LTE
Transmitting / Receiving	Tx Filter
Insertion Loss	1.5dB
Attenuation	19dB
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

## ■ External Dimensions

L	1.4mm +0.1:-0.1
W	1.0mm +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.



MSL1

\* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	BC0+Band18-Tx	Date	Aug. 20, 2012
Part Number	F5KA832M0D4JS	Version 1.0a	Final

**Table 1. Electrical Specification**

Passband:815 ~ 849MHz						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	815 - 849	-	1.5	2.5	dB(*1)	
Ripple	815 - 849	-	0.7	1.8	dB	
VSWR (Input)	815 - 849	-	2.1	2.5	-	
VSWR (Output)	815 - 849	-	2.1	2.5	-	
Absolute attenuation	860 - 894	13	19	-	dB	
	1570 - 1580	35	51	-	dB	
	2445 - 2547	30	40	-	dB	
Input impedance		50			Ohms	
Output impedance		50			Ohms	
Temperature range		-30 to +85			°C	
Package size		1.4 typ x 1.0 typ x 0.5 max			mm	

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



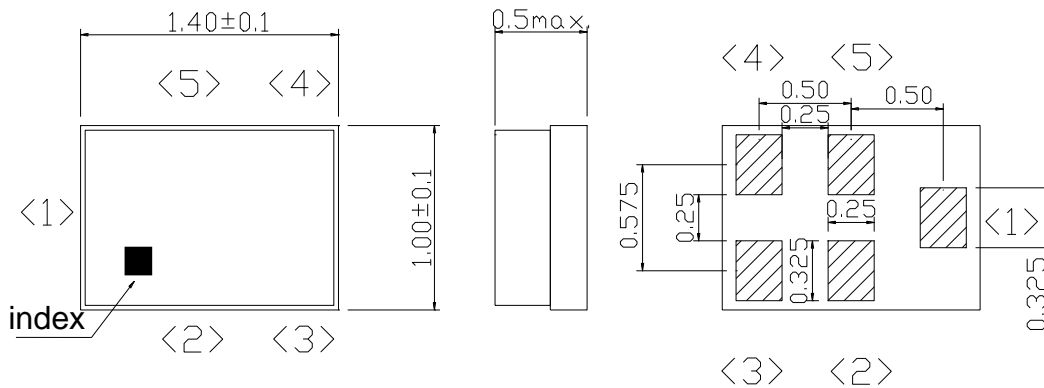
MSL1

\* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	BC0+Band18-Tx	Date	Aug. 20, 2012
Part Number	F5KA832M0D4JS	Version 1.0a	Final

### Dimensions

Device size: 1.4 yp. x 1.0 typ. x 0.5 max.

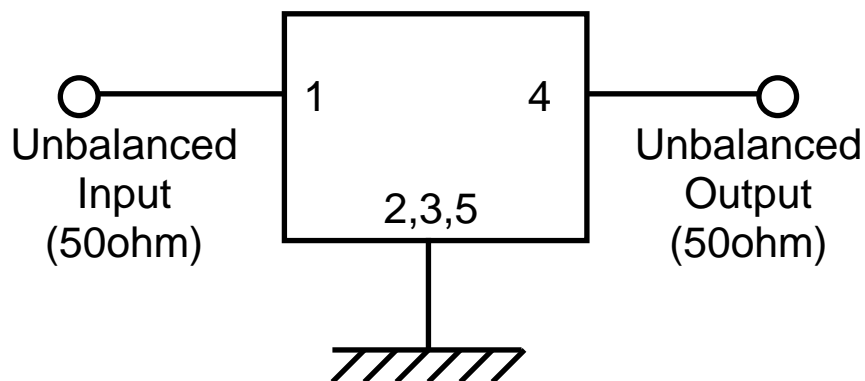


Unit : mm

### Pin Configuration

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

### Evaluation Circuit





MSL1

\* Pb Free Part

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Part Number	F5KA832M0D4JS	Version 1.0a	Final

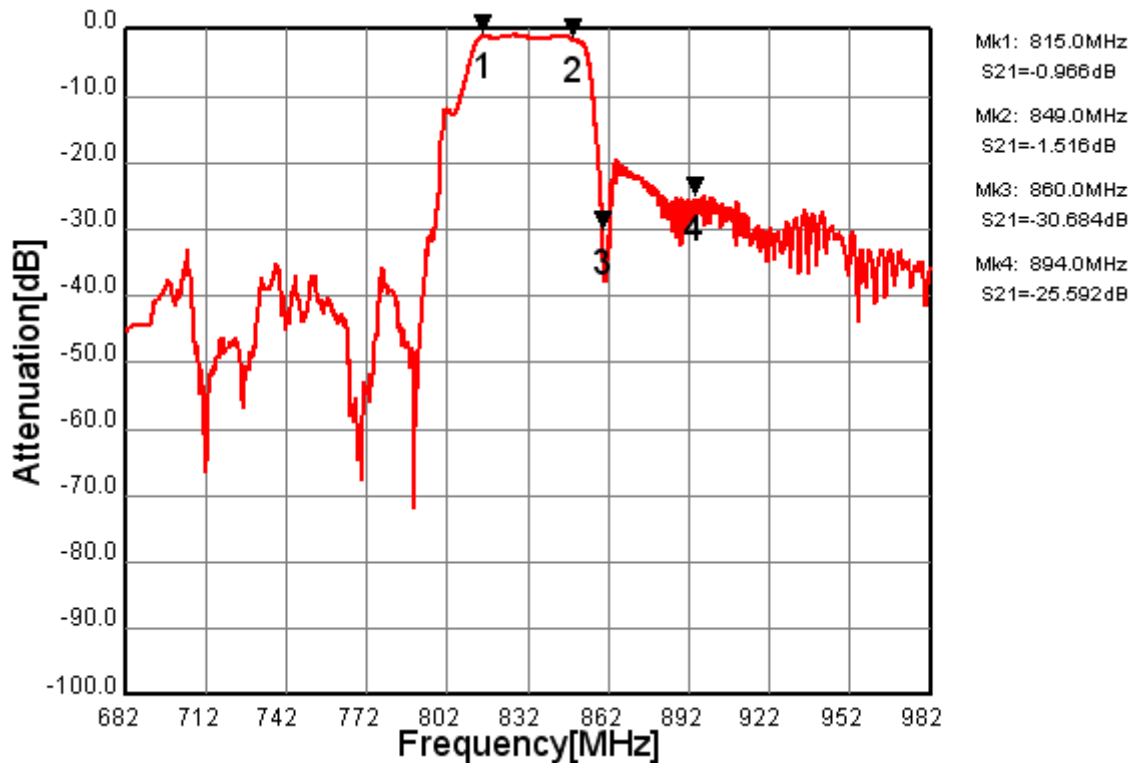


Fig.1 Pass-band Characteristics

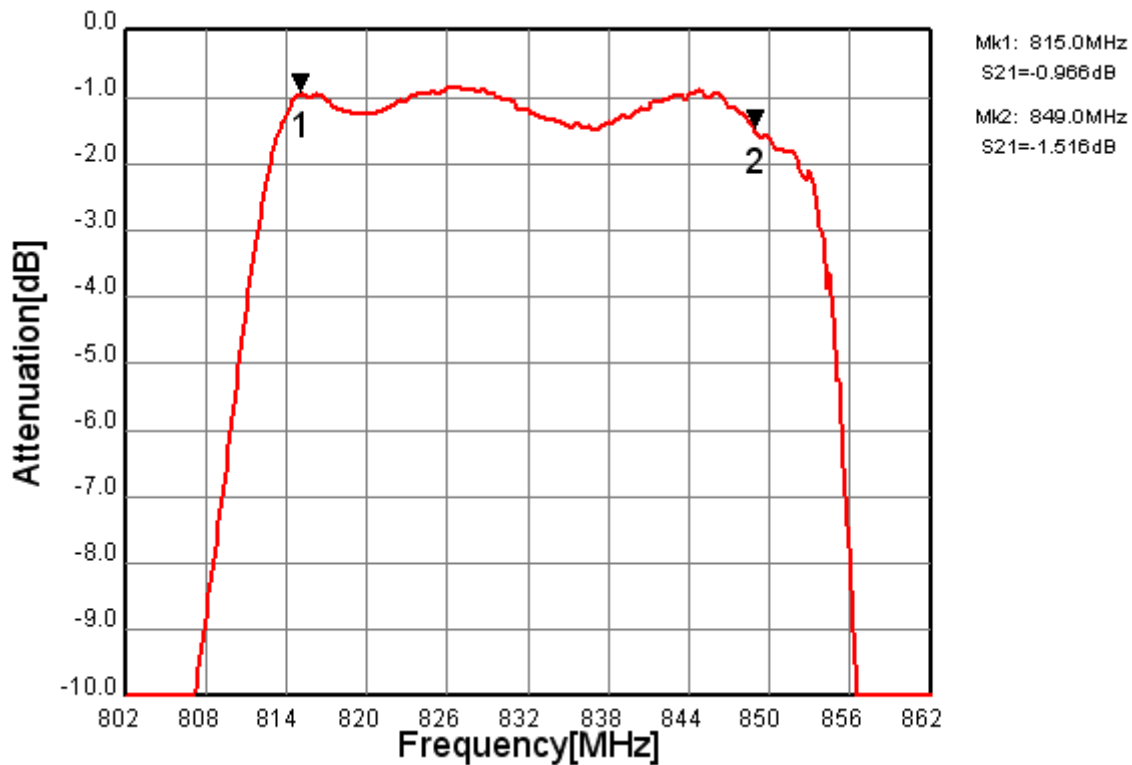


Fig.2 In-band Characteristics



MSL1

\* Pb Free Part

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System	BC0+Band18-Tx	Date	Aug. 20, 2012
Part Number	F5KA832M0D4JS	Version 1.0a	Final

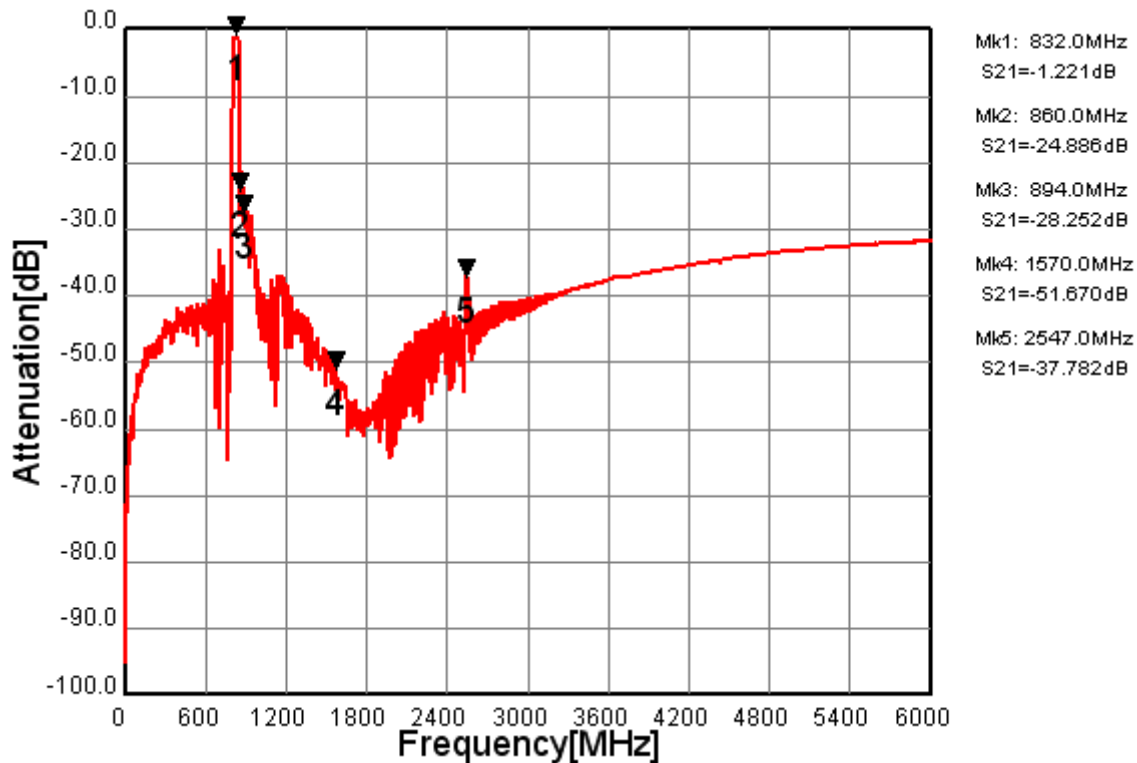


Fig.3 Wide-band Characteristics

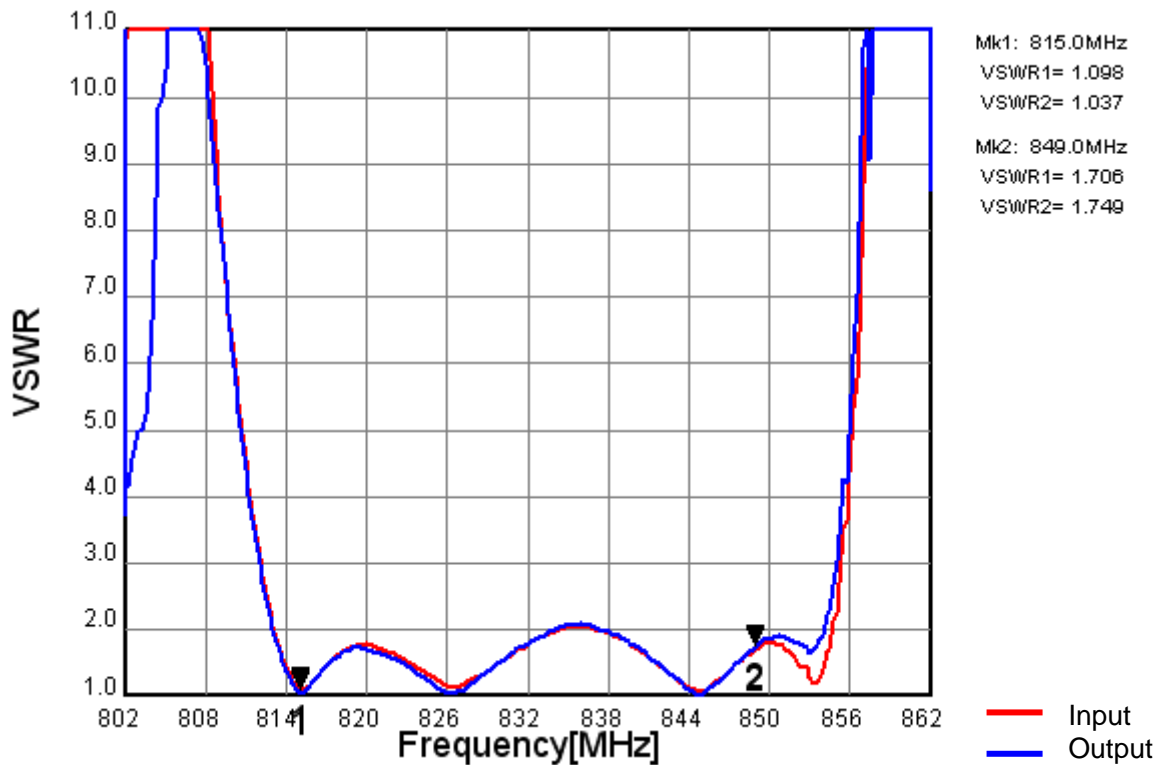


Fig.4 VSWR



MSL1

\* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	BC0+Band18-Tx	Date	Aug. 20, 2012
Part Number	F5KA832M0D4JS	Version 1.0a	Final

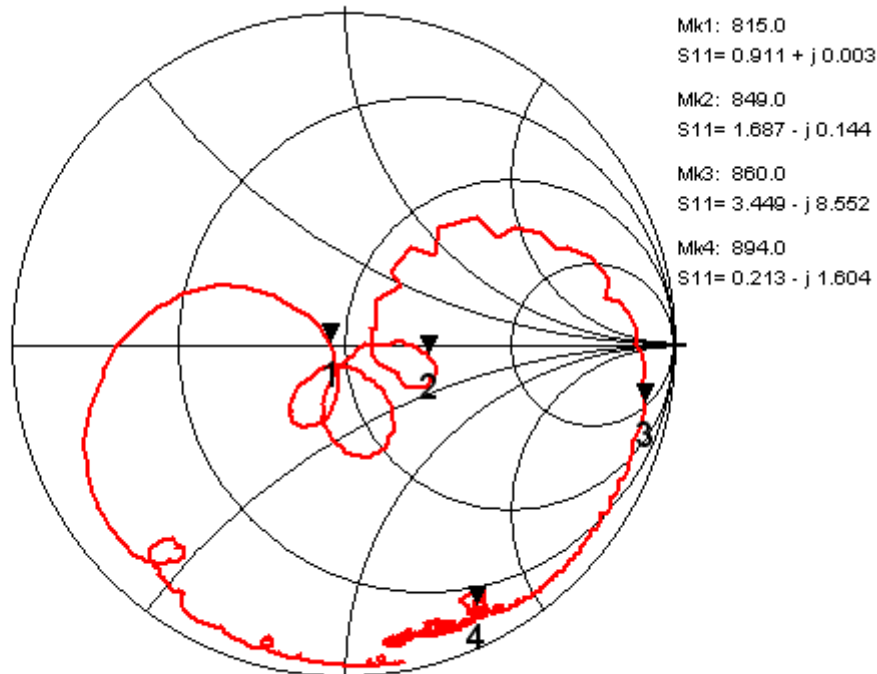


Fig.5 Input Impedance

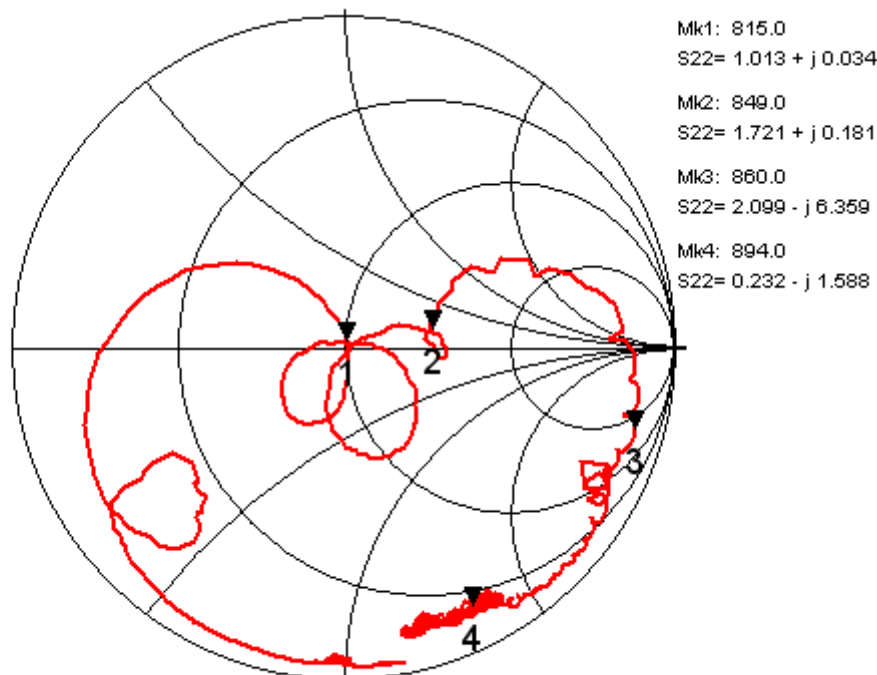


Fig.6 Output Impedance



MSL1

\* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	BC0+Band18-Tx	Date	Aug. 20, 2012
Part Number	F5KA832M0D4JS	Version 1.0a	Final

## Ordering Code

Ordering Code	Packing	Reel size	Status
F5KA832M0D4JS-Z	Tape & Reel	3,000pcs.	MP
F5KA832M0D4JS-ZA	Tape & Reel	less than 3,000 pcs.	MP
F5KA832M0D4JS-Y	Tape & Reel	15,000pcs	MP
F5KA832M0D4JS-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.