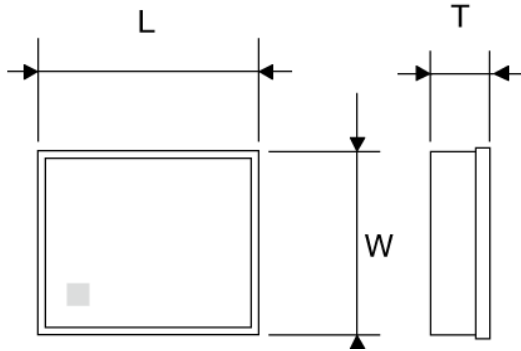


SAW Filter

F5KA833M0D4DU



■ Features

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

■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP2)	BC0 / BC10
Use	CDMA
Transmitting / Receiving	Tx Filter
Insertion Loss	2.3dB
Attenuation	43dB
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	3GPP2 BC0+BC10 Tx (50/50ohm)	DATE	Aug. 10 , 2011
Part Number	F5KA833M0D4DU	Version 5.0 f	Final

Table 1.Electrical specifications

Item	Condition	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	817 - 849 MHz	-	2.3	3.3	dB(*1)	
Ripple	817 - 849 MHz	-	1.1	2.1	dB	
Absolute Attenuation	DC - 800 MHz	30	40	-	dB	
	862 - 894 MHz	38	43	-	dB	
	1574.42 -1576.42 MHz	35	55	-	dB	
	1624 -1708 MHz	30	52	-	dB	
	1930 - 1990 MHz	30	49	-	dB	
	2110 -2170 MHz	28	47	-	dB	
	2441 - 2557 MHz	25	44	-	dB	
	3258 - 3406 MHz	25	38	-	dB	
VSWR(Input)	817 - 849 MHz	-	2.0	2.5	-	
VSWR(Output)	817 - 849 MHz	-	1.9	2.5	-	
Input Level		-	-	13	dBm	
Input Impedance		50			ohm	
Output Impedance		50			ohm	
Device Size		1.4typ. x 1.0typ. x 0.5max.			mm	
Operating temp.		-30 ~ +85			°C	

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



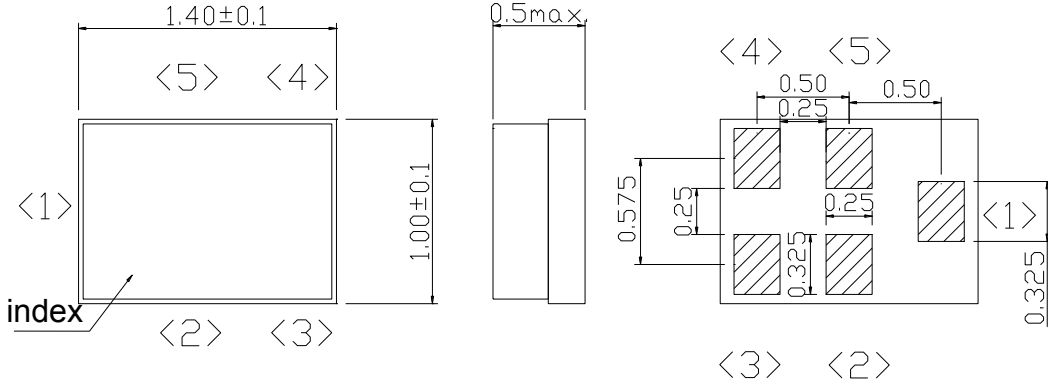
MSL1

* Pb Free Part

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System	3GPP2 BC0+BC10 Tx (50/50ohm)	DATE	Aug. 10 , 2011
Part Number	F5KA833M0D4DU	Version 5.0 f	

Dimensions

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

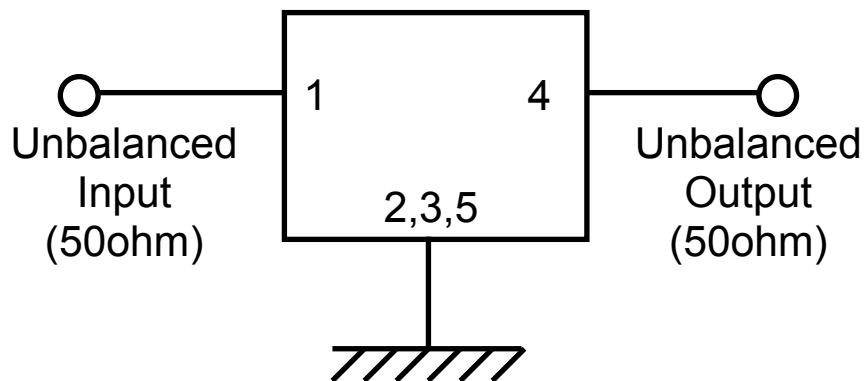


Unit : mm

Pin Configuration

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

Test Condition





MSL1

* Pb Free Part

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Part Number	F5KA833M0D4DU	Version 5.0 f	

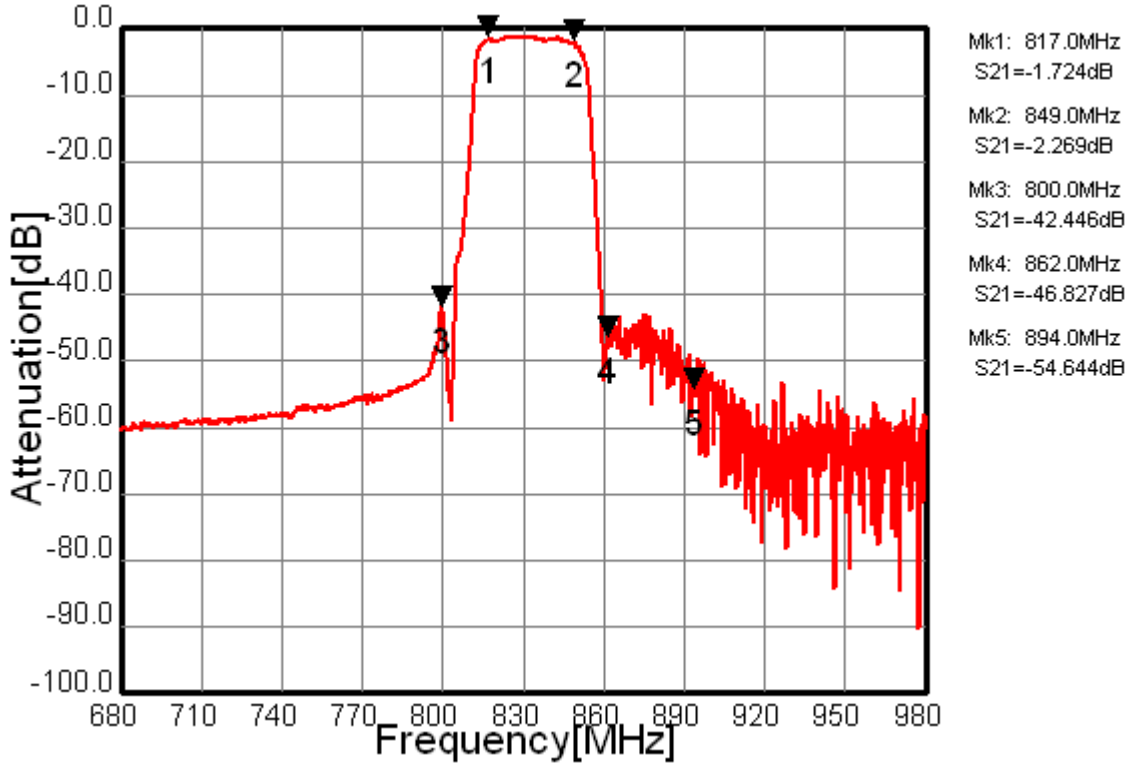


Fig.1 Pass-band Characteristics

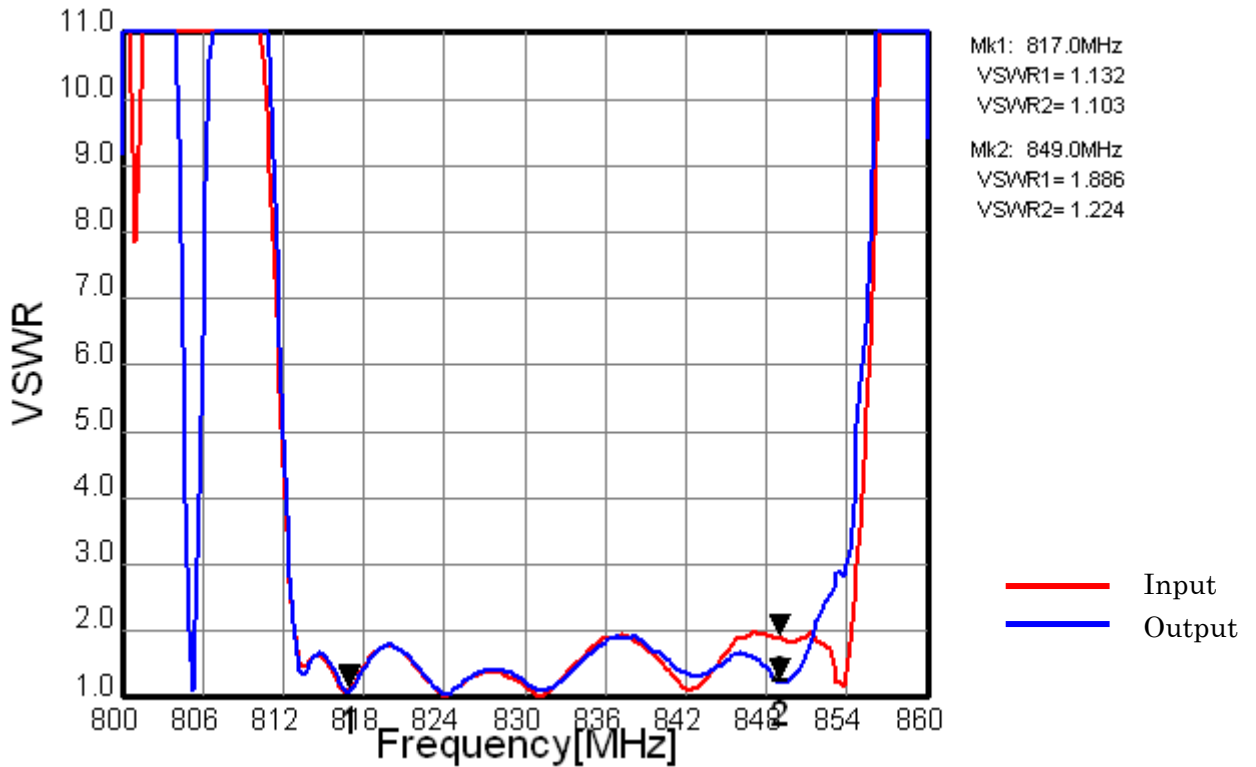


Fig.2 VSWR



MSL1

* Pb Free Part

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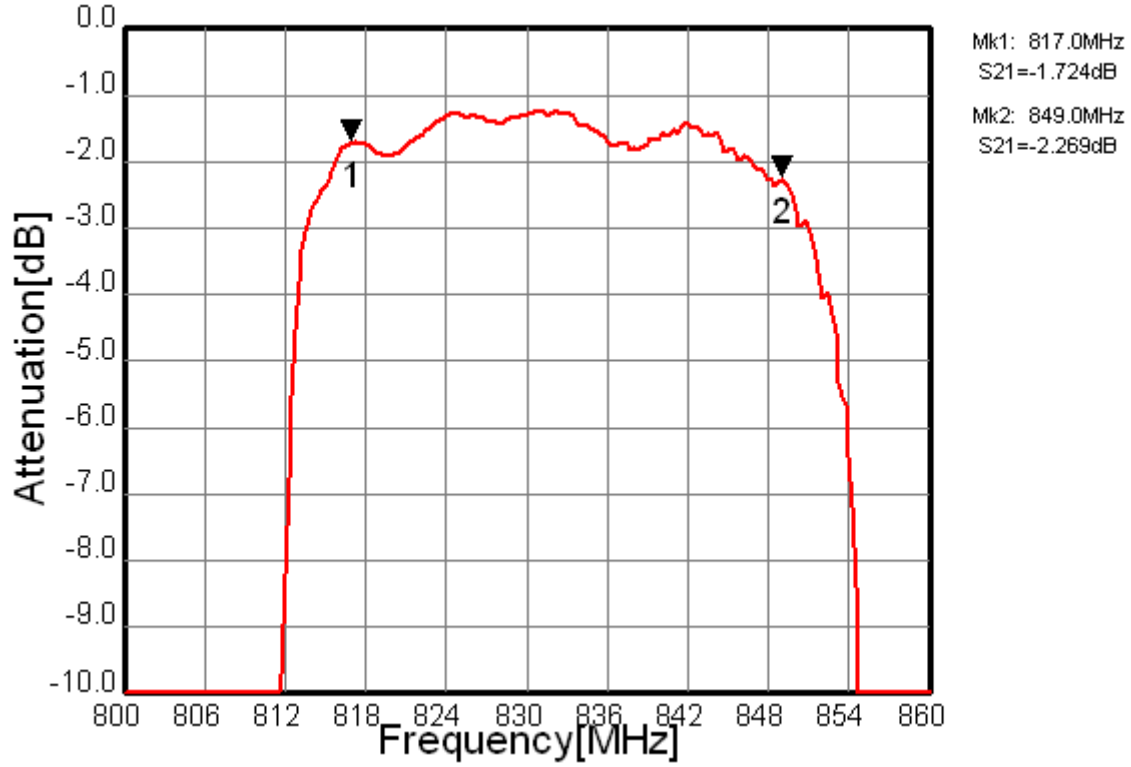


Fig.3 In-band Characteristics

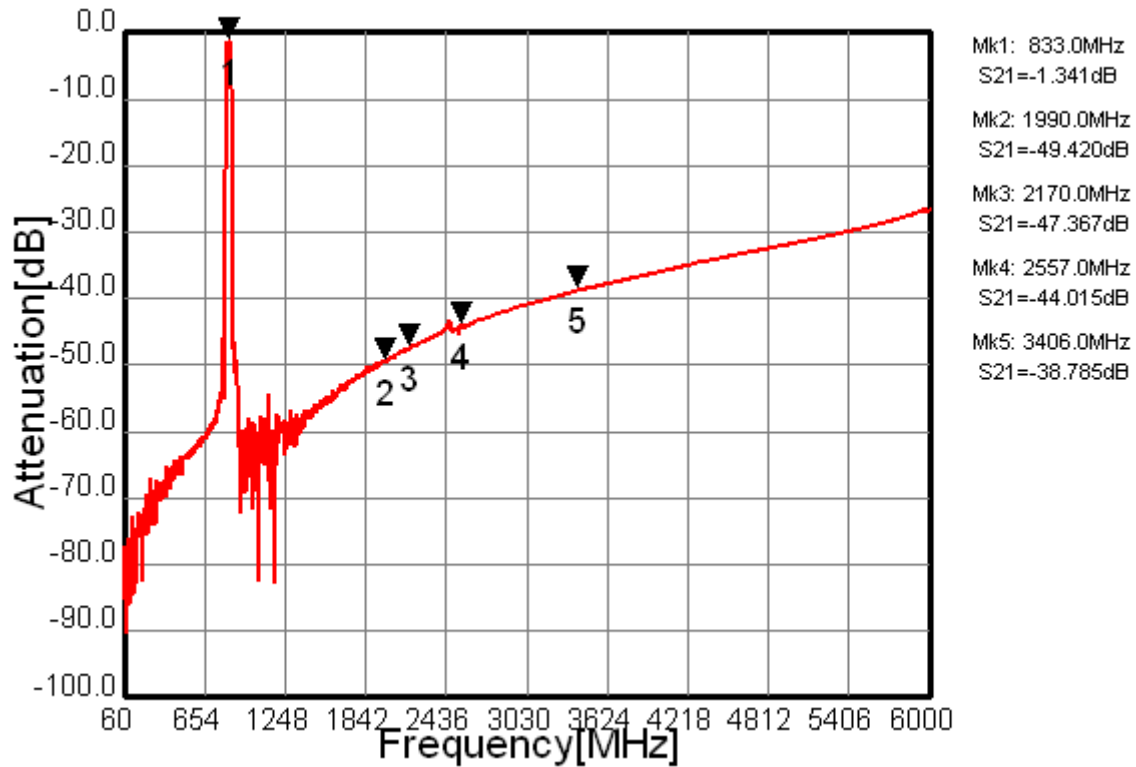


Fig.4 Wide-band Characteristic



MSL1

* Pb Free Part

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System	3GPP2 BC0+BC10 Tx (50/50ohm)	DATE	Aug. 10 , 2011
Part Number	F5KA833M0D4DU	Version 5.0 f	

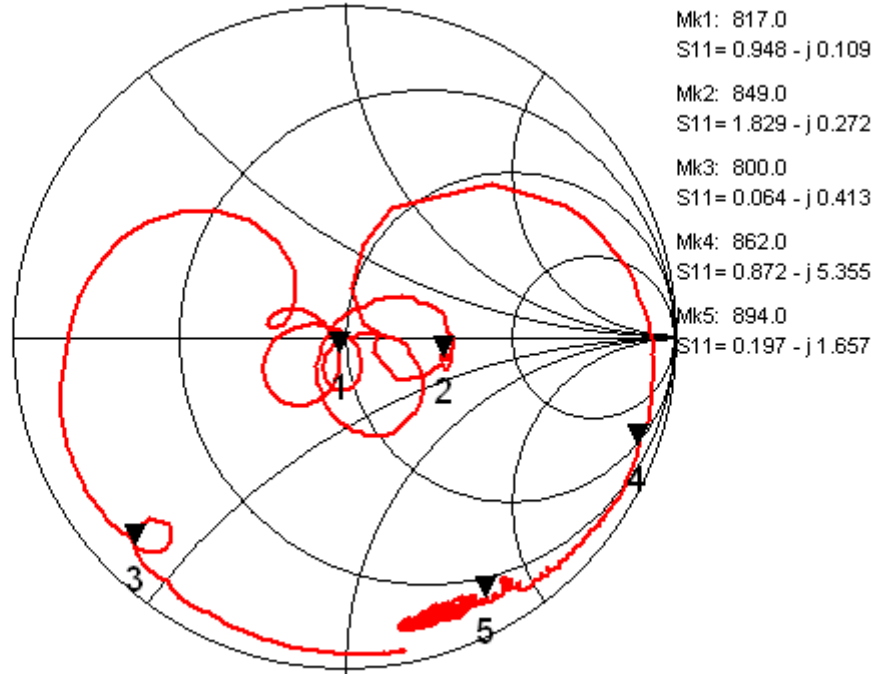


Fig.5 Impedance (Input)

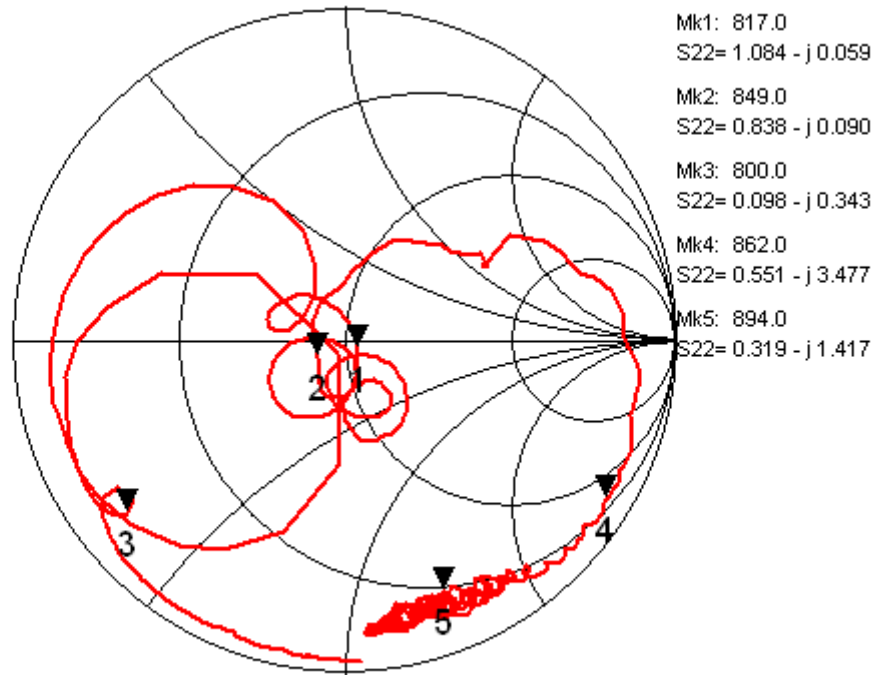


Fig.6 Impedance (Output)



MSL1

* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	3GPP2 BC0+BC10 Tx (50/50ohm)	DATE	Aug. 10 , 2011
Part Number	F5KA833M0D4DU	Version 5.0 f	

Ordering Code

Ordering Code	Packing	Reel size	Status
F5KA833M0D4DU-Z	Tape & Reel	3,000pcs.	MP
F5KA833M0D4DU-ZA	Tape & Reel	less than 3,000 pcs.	MP
F5KA833M0D4DU-Y	Tape & Reel	15,000pcs	MP
F5KA833M0D4DU-YA	Tape & Reel	less than 15,000 pcs.	MP
F5KA833M0D4DU-Q	Bulk	few pcs.	MP

*Minimum order quantity (MOQ) is assigned for each inquiry, Please contact to Sales Representatives..

* ES : Engineering Sample

(For Mass Production (MP) order, please delete a letter of "S" at the end of the ordering code indicated above.)

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.