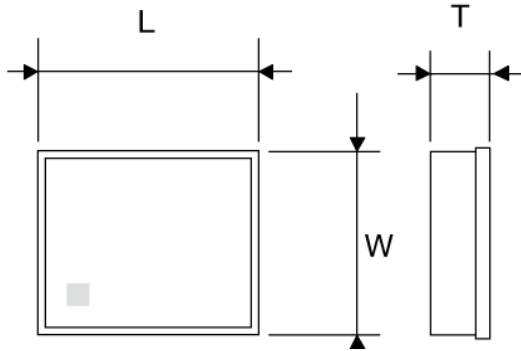


SAW Filter

FAR-F5KA-897M50-D4VW



■ Features

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

■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B8
GSM	900
Use	WCDMA
Transmitting / Receiving	Tx Filter
Insertion Loss	2.6dB
Attenuation	38dB
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	Band VIII- Tx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F5KA-897M50-D4VW	Version 1.1 a	

Table 1 Electrical Specification

Passband : 880 ~ 915 MHz						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	880.4~914.6	-	2.6	3.8	dB	
Ripple	880.4~914.6	-	1.2	2.5	dB	
Absolute attenuation	DC ~ 835	35	47	-	dB	
	835 ~ 870	18	36	-	dB	
	925.4 ~ 935	20	38	-	dB	
	935 ~ 960	35	44	-	dB	
	960 ~ 1760	30	40	-	dB	
	1760 ~ 1830	28	39	-	dB	
	1830 ~ 2640	25	34	-	dB	
	2640 ~ 2745	25	34	-	dB	
	2745 ~ 5000	15	26	-	dB	
5000 ~ 6000	10	20	-	dB		
VSWR(Input)	880 ~ 915	-	1.9	2.4	-	
VSWR(Output)	880 ~ 915	-	2.0	2.8	-	
Input Impedance	Unbalanced	50			ohm	
Output Impedance	Unbalanced	50			ohm	
Input Power	880 ~ 915	-	-	+12	dBm	
Operating temperature		-30 ~ +85			°C	
Device size		1.4typ. x 1.0typ. x 0.50max.			mm	



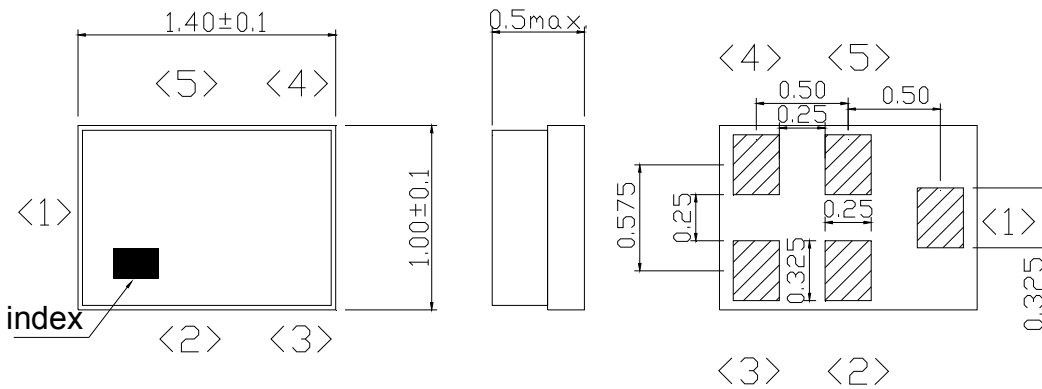
MSL1

* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band VIII- Tx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F5KA-897M50-D4VW	Version 1.1 a	

Dimension

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

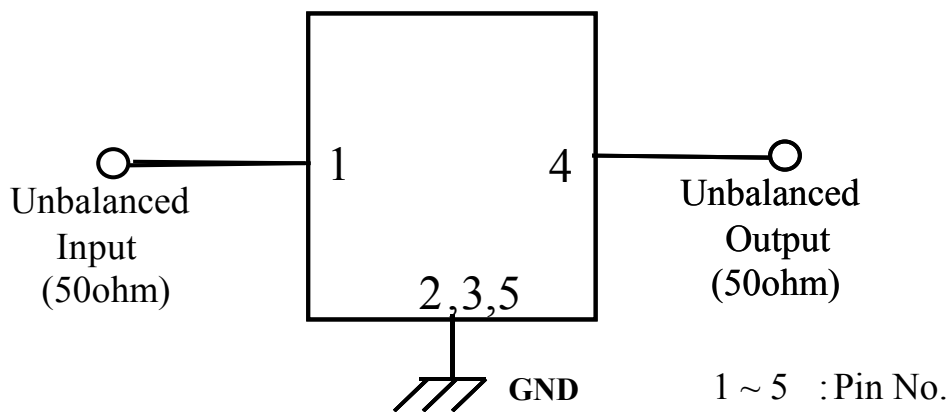


Unit: mm

Pin Configuration

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

Evaluation Circuit





MSL1

* Pb Free Part

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Part Number	FAR-F5KA-897M50-D4VW	Version 1.1 a	

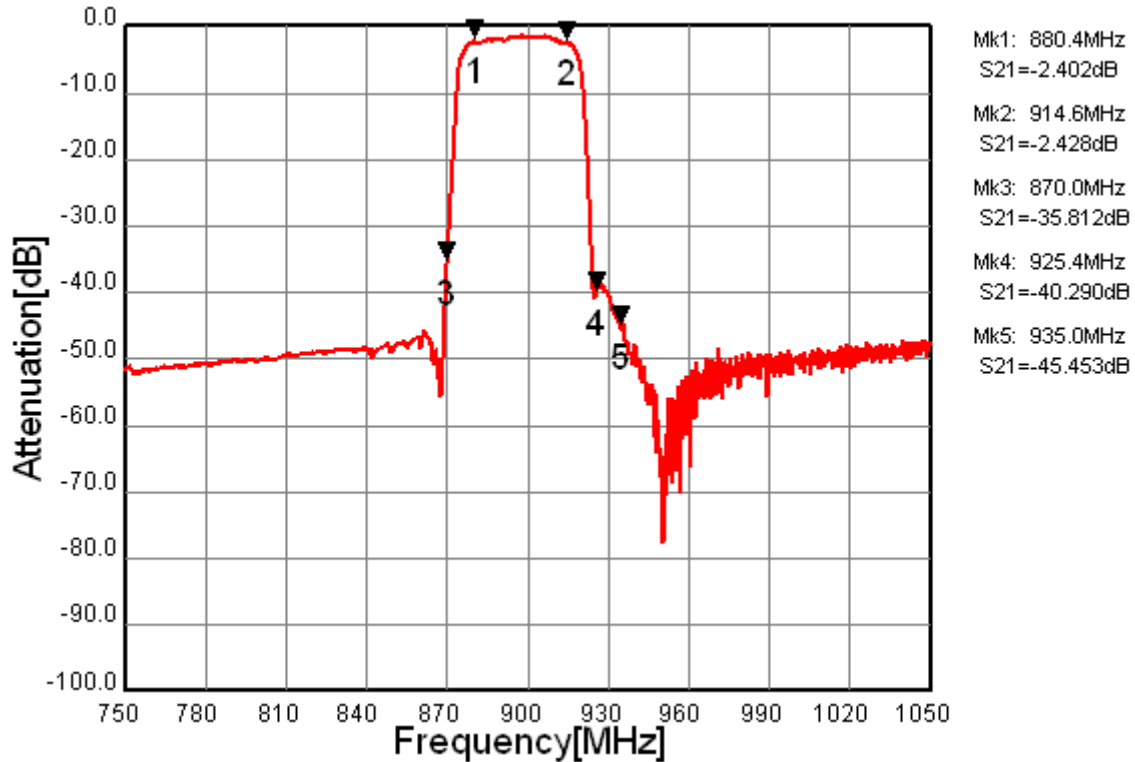


Fig.1 Pass-band Characteristics

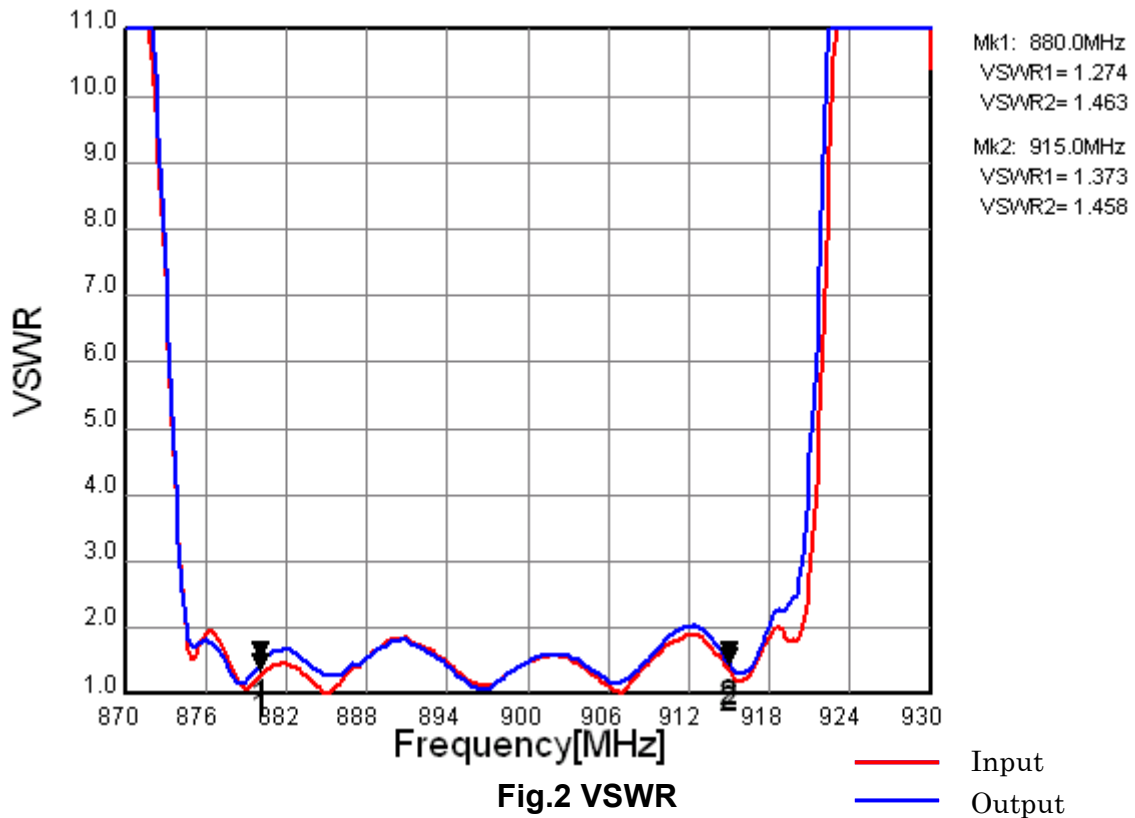


Fig.2 VSWR



MSL1

* Pb Free Part

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System	Band VIII- Tx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F5KA-897M50-D4VW	Version 1.1 a	

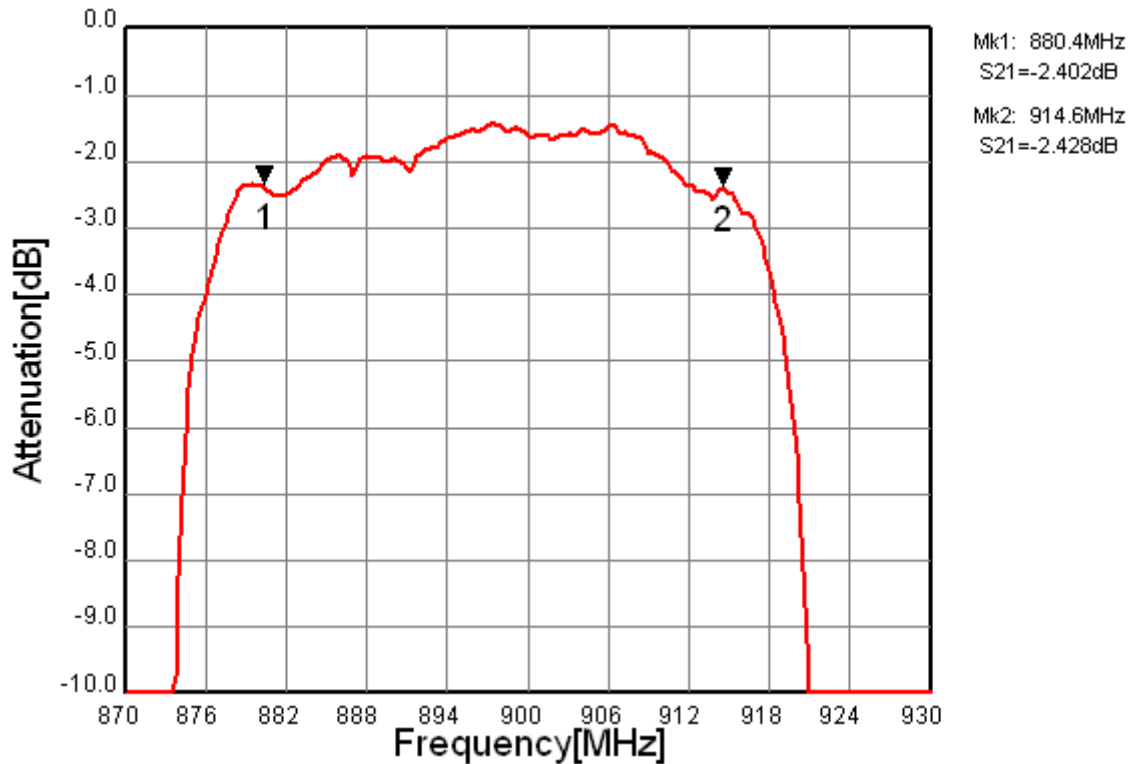


Fig.3 In-band Characteristics

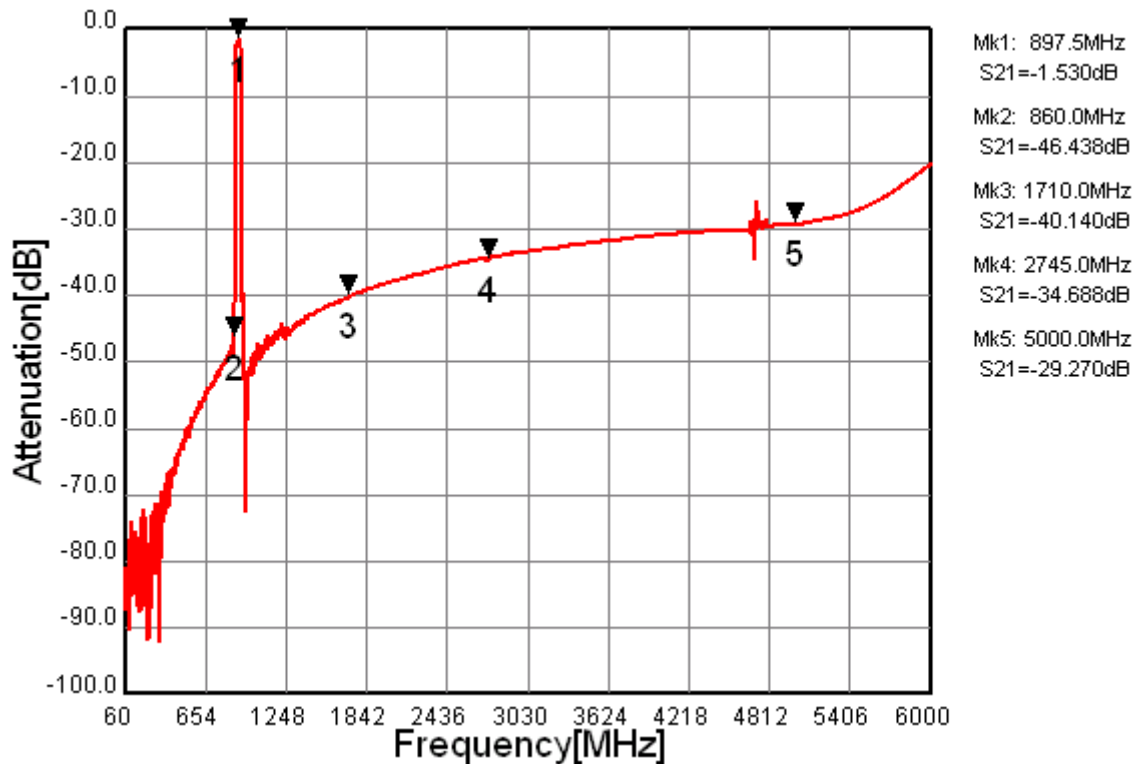


Fig.4 Wide-band Characteristics



MSL1

* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band VIII- Tx (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F5KA-897M50-D4VW	Version 1.1 a	

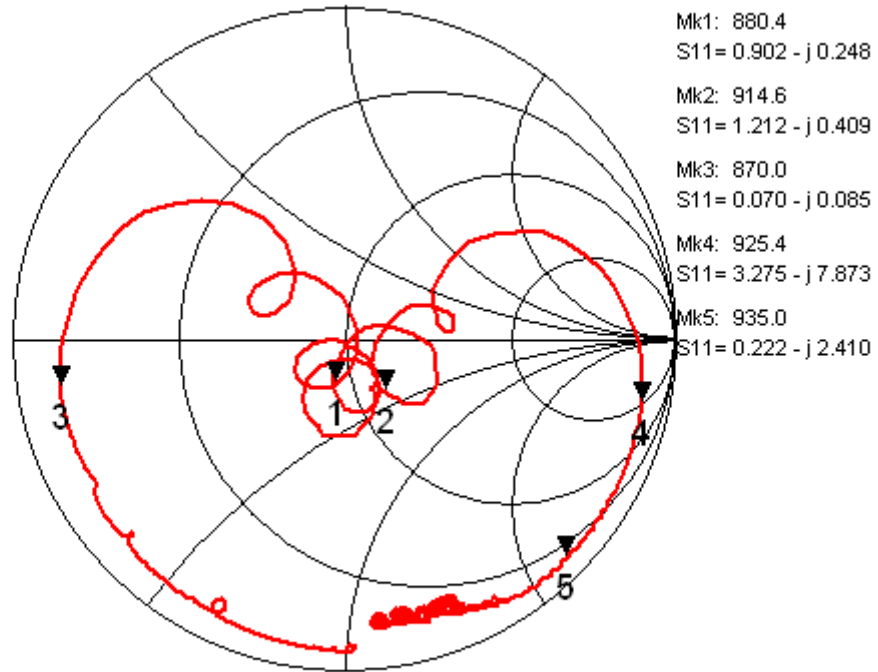


Fig.5 Input Impedance (Unbalance)

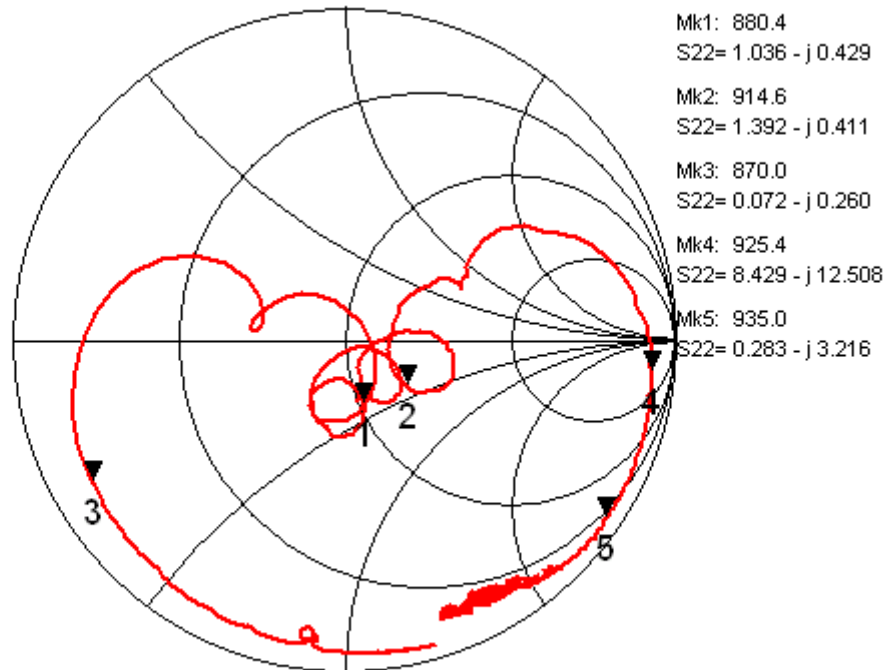


Fig.6 Output Impedance (Unbalance)