



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	



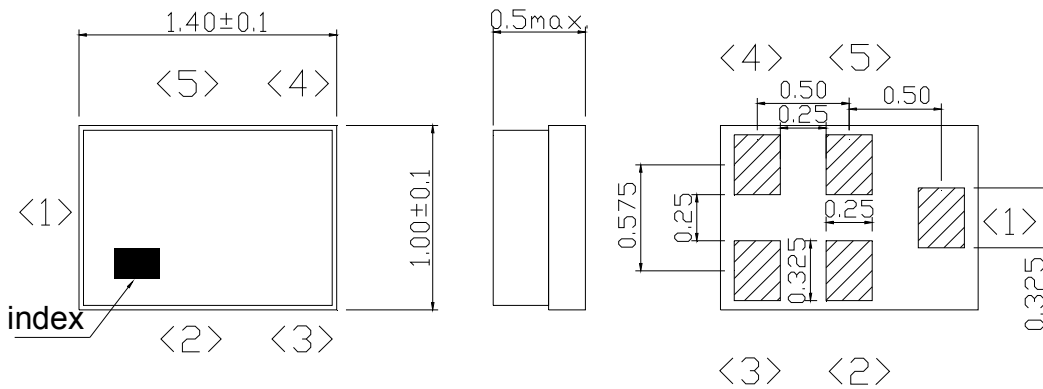
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Dimension

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

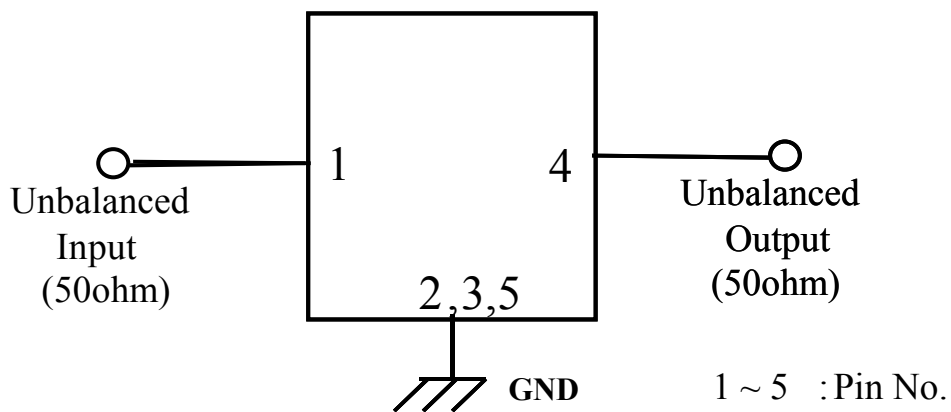


Unit: mm

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





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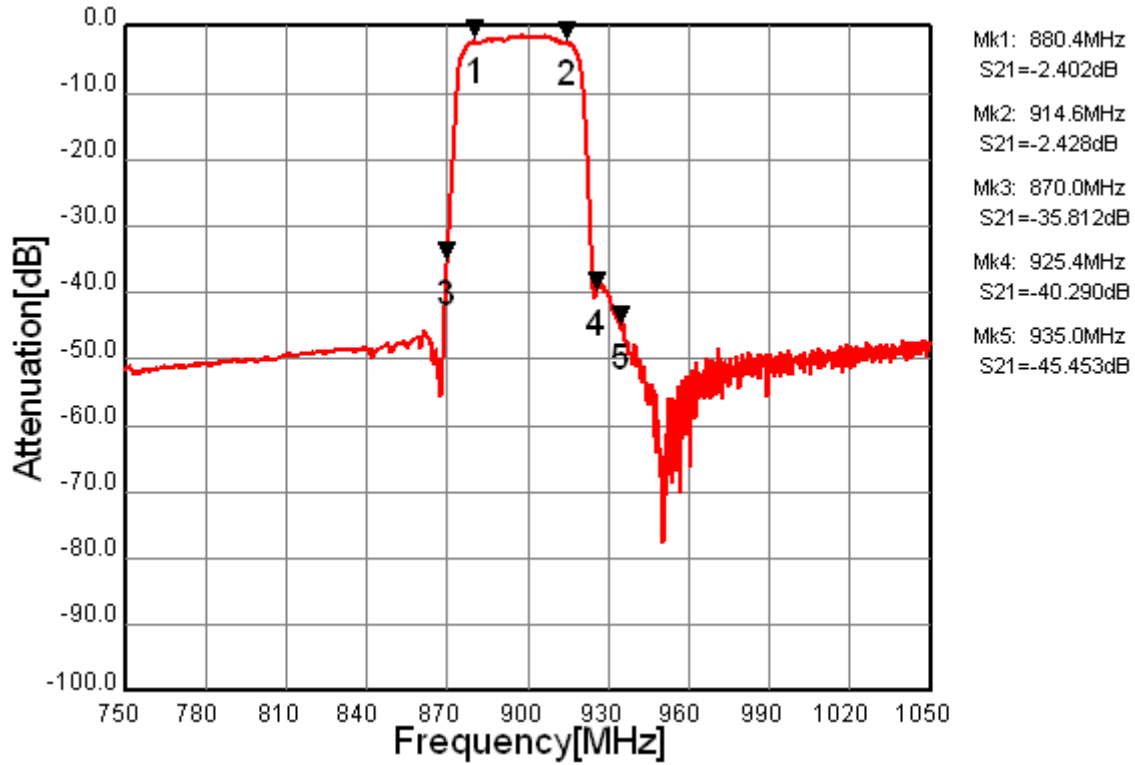


Fig.1 Pass-band Characteristics

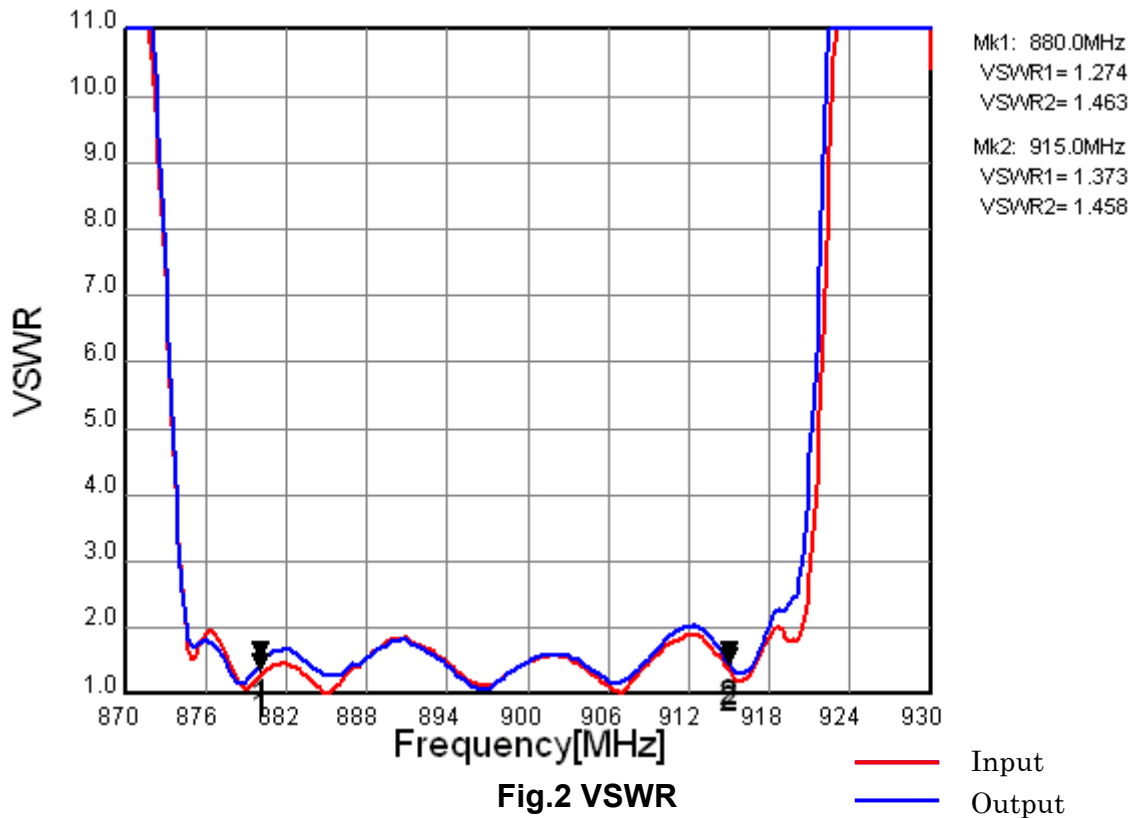


Fig.2 VSWR



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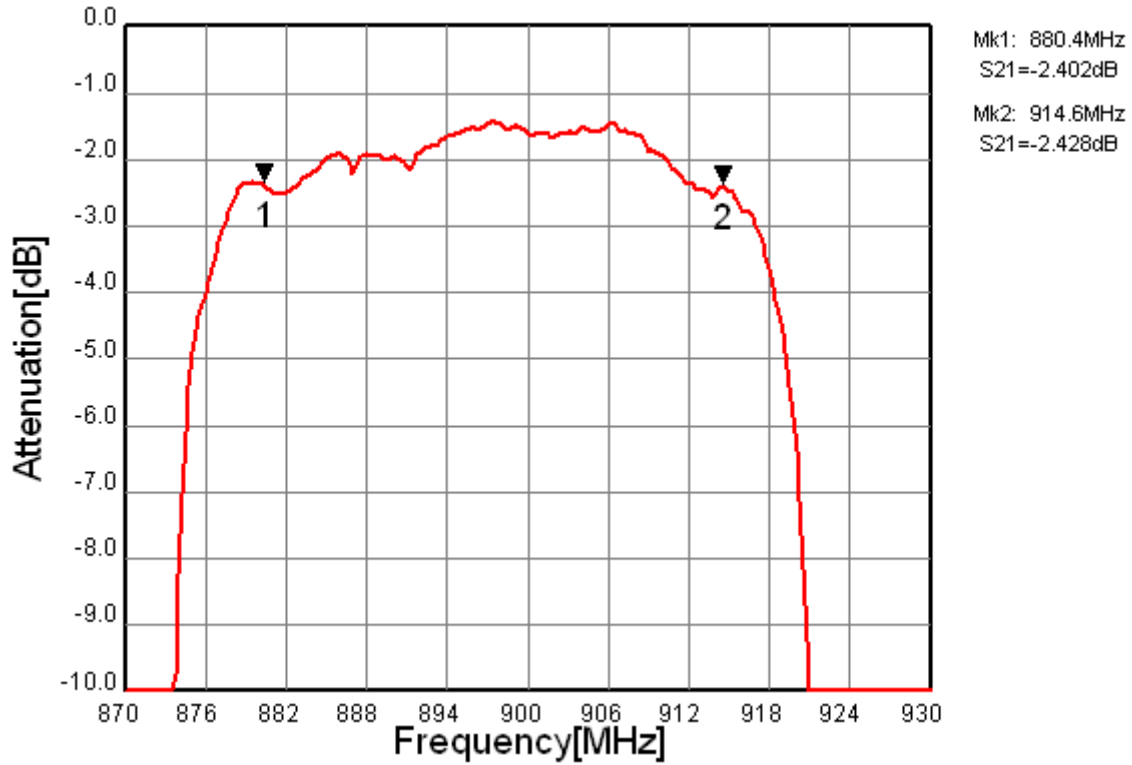


Fig.3 In-band Characteristics

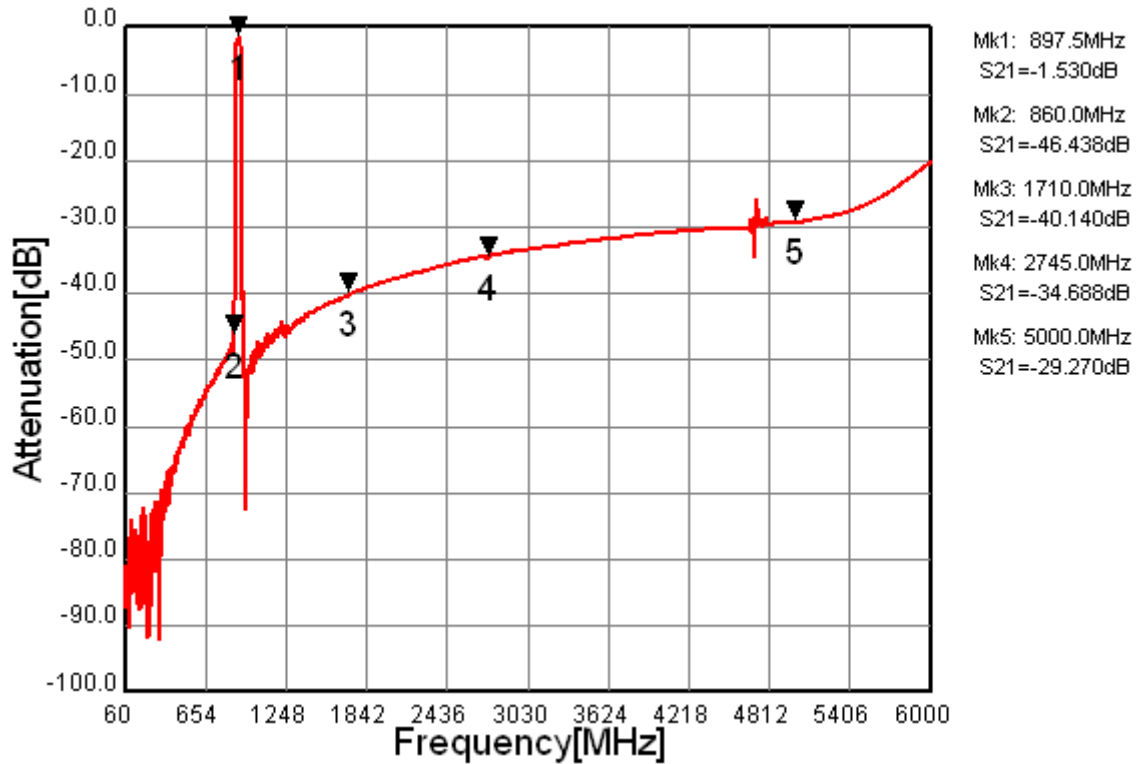


Fig.4 Wide-band Characteristics



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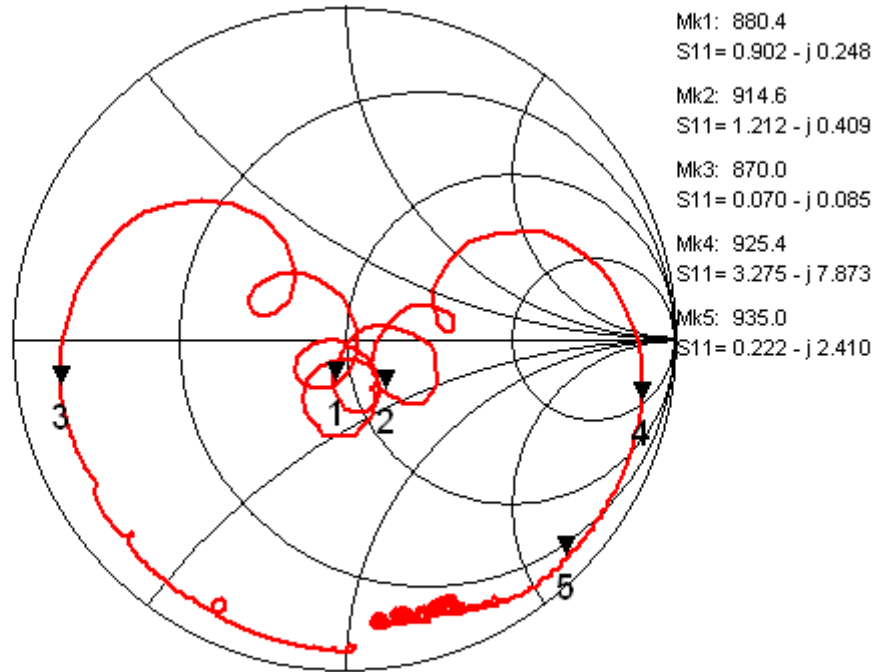


Fig.5 Input Impedance (Unbalance)

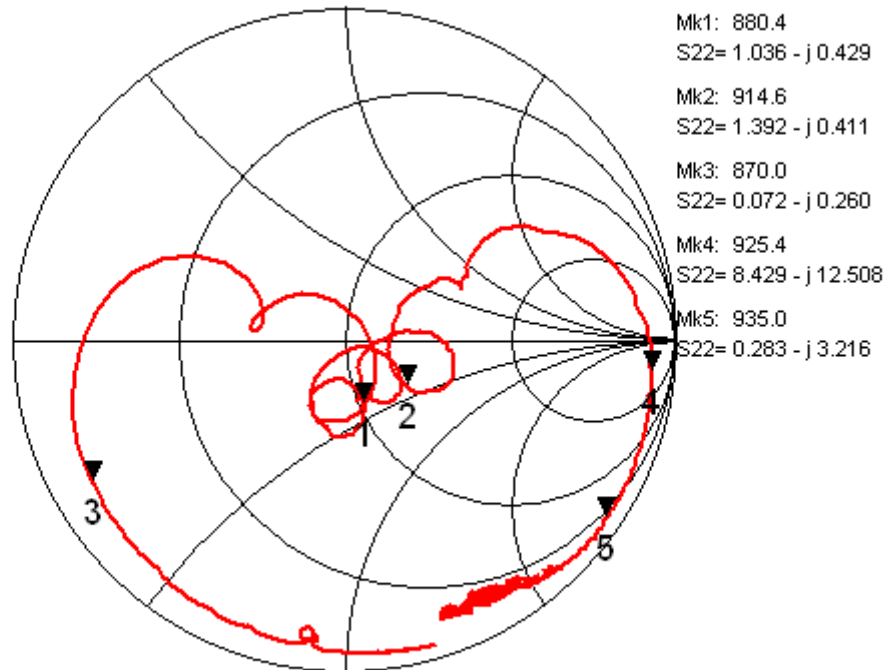


Fig.6 Output Impedance (Unbalance)