



MSL1

\* Pb Free Part

Customer Name	<b>Standard specification</b>	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	W-CDMA IV (AWS) Tx	Date	March 31, 2010
Part Number	FAR-F6KA-1G7400-D4DE	Version 2.0e	

**Table 1. Electrical specifications**

Passband: 1710 ~ 1770 MHz						
Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1710~1770 MHz	-	1.5	2.7	dB	
Ripple	1710~1770 MHz	-	0.7	1.8	dB	
Absolute attenuation	800~1355 MHz	30	37	-	dB	
	1574~1577MHz	30	52	-	dB	
	1600~1680MHz	12	22	-	dB	
	1805~1880 MHz	17	24	-	dB	
	1930~1990 MHz	30	36	-	dB	
	2110~2170 MHz	30	44	-	dB	
VSWR (Input)	1710~1770 MHz	-	2.0	2.5	-	
VSWR (Output)	1710~1770 MHz	-	2.0	2.5	-	
Input Impedance	Unbalanced	50			Ohm	
Output Impedance	Unbalanced	50			Ohm	
Operating Temperature		-30 ~ +85			°C	
Device size		1.4typ.x1.0typ.x0.5max			mm	



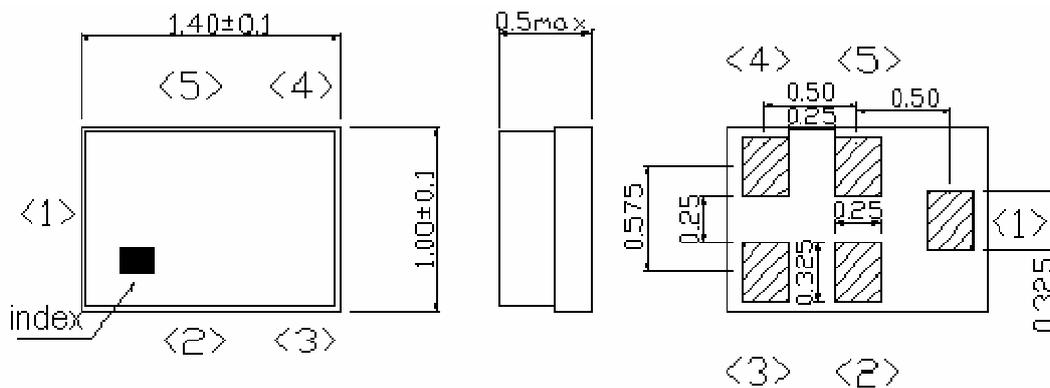
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### Dimension

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

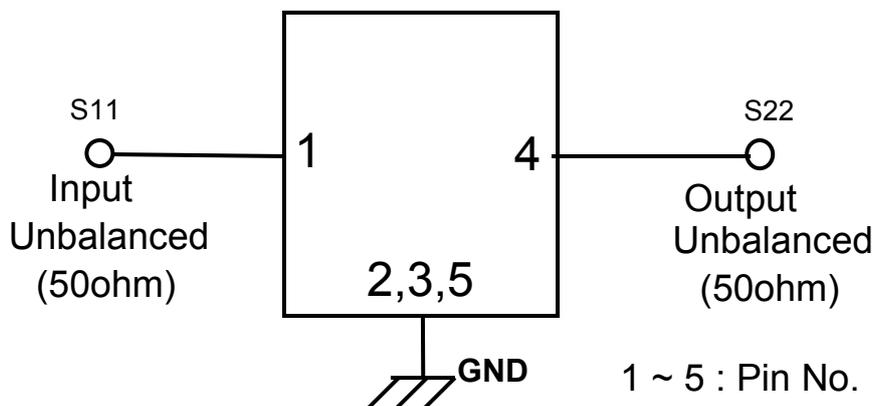


Unit: mm

### 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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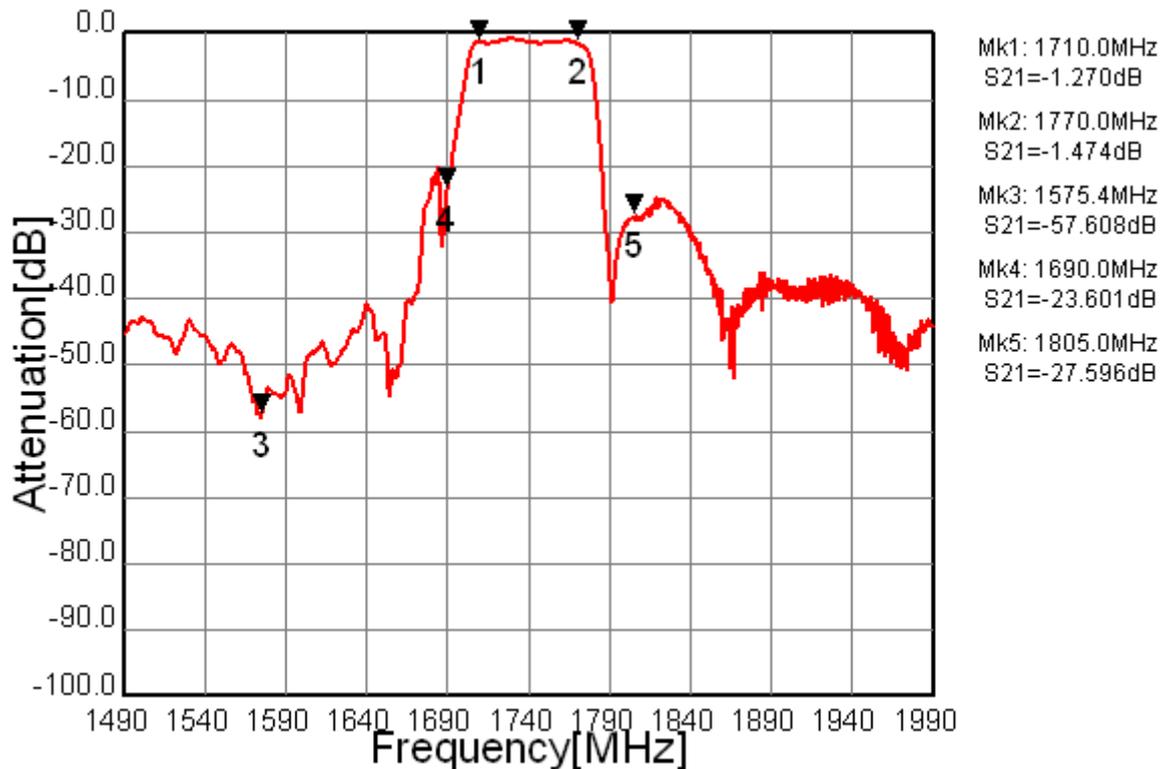


Fig.1 Pass-band Characteristics

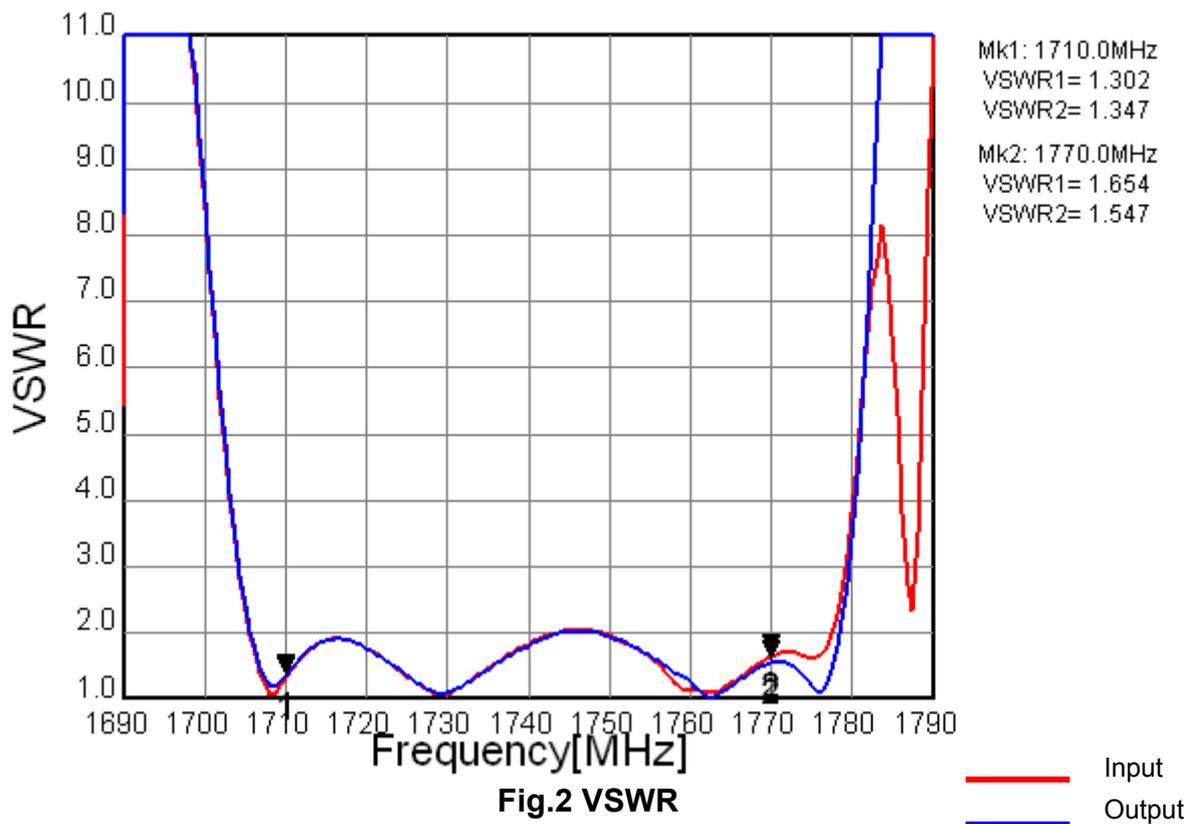


Fig.2 VSWR

— Input  
— Output



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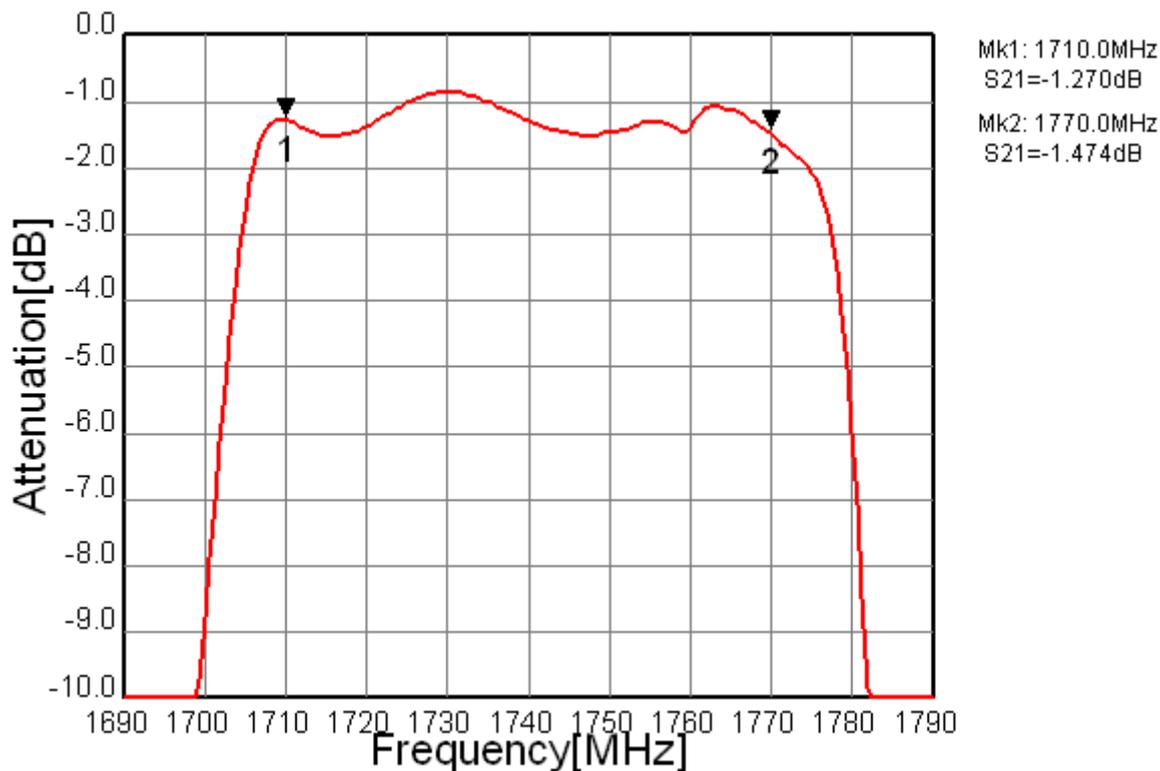


Fig.3 In-band Characteristics

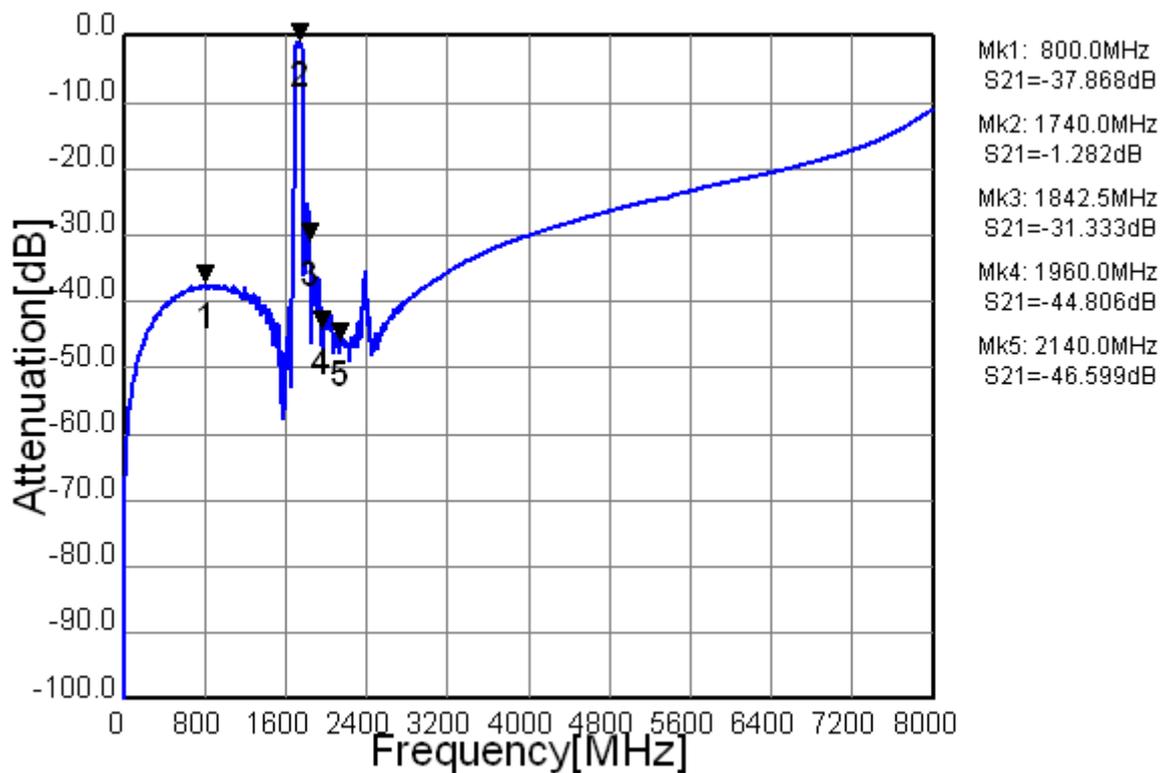


Fig.4 Wide-band Characteristics



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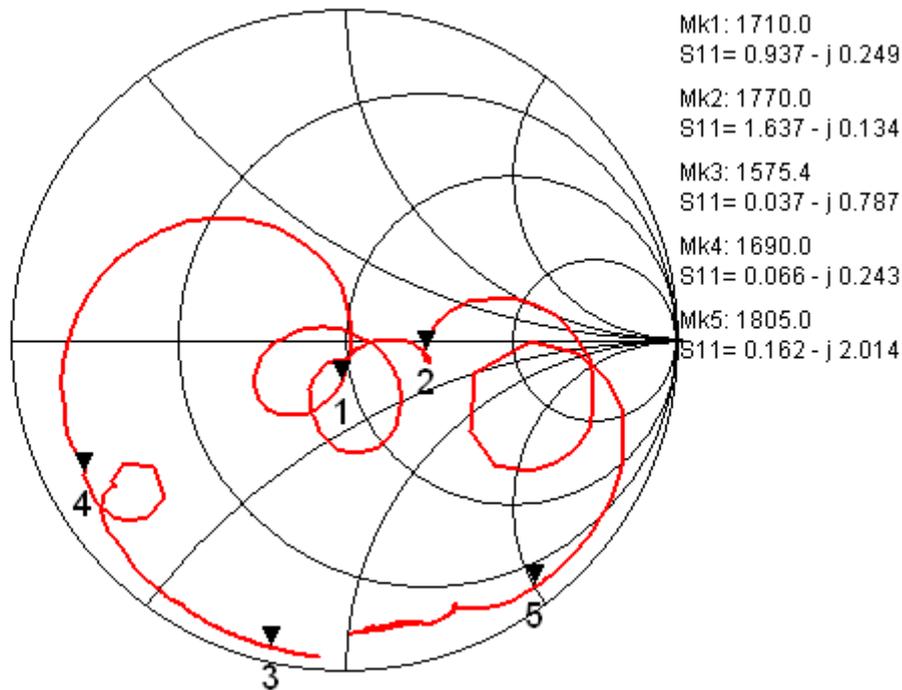


Fig.5 Input Impedance

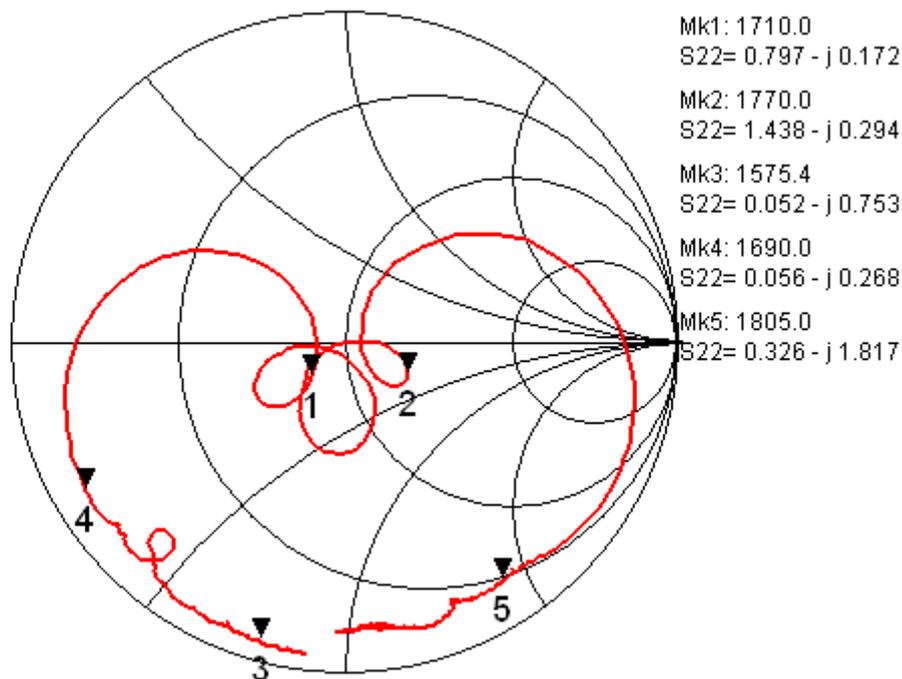


Fig.6 Output Impedance