



* Pb Free Part



MSL1

Customer Name	Standard specifications	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	GPS	Date	March 31, 2010
Part Number	FAR-F6QA-1G5754-H2JC	Version 2.0b	

Table 1 Electrical Specification

Passband : 1574.42 ~ 1576.42 MHz						
Parameter	Frequency	Value			Unit	Remark
		Min.	Typ.	Max.		
Insertion loss	1574.42 ~ 1576.42	-	1.11	1.35	dB(*1)	
Ripple in passband	1574.42 ~ 1576.42	-	0.05	0.5	dB	
Absolute attenuation	DC ~ 1476	40	43	-	dB	
	1476 ~ 1526	33	36	-	dB	
	1625~1676	48	55	-	dB	
	1710 ~ 1785	45	50	-	dB	
	1850 ~ 1910	45	50	-	dB	
	1910 ~ 1980	45	50	-	dB	
	1980 ~ 2500	37	44	-	dB	
	2500 ~ 3000	30	37	-	dB	
	3000 ~ 6000	15	22	-	dB	
VSWR Input	1574.42 ~ 1576.42	-	1.2	1.7	-	
VSWR Outout	1574.42 ~ 1576.42	-	1.1	1.7	-	
Input Impedance		50			Ohm	
Output Impedance		50			ohm	
Operating Temperature		-30 to +85			°C	
Device size (L x W x H)		1.1typ. x 0.9typ. x 0.5 max.			mm	

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



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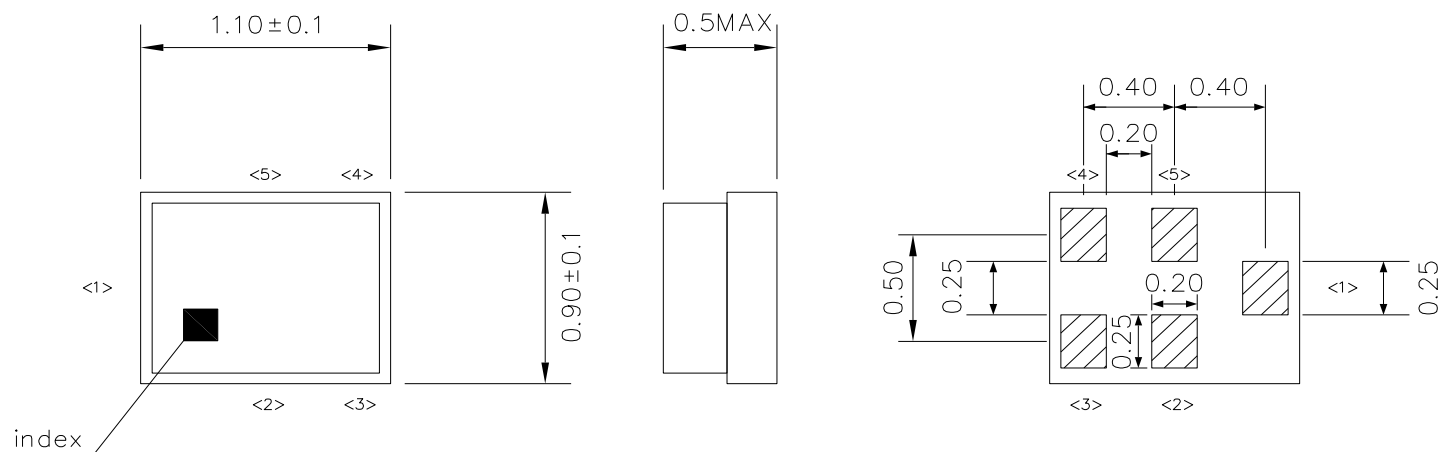


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Dimension

Device size: 1.1typ. x 0.9typ. x 0.5max.

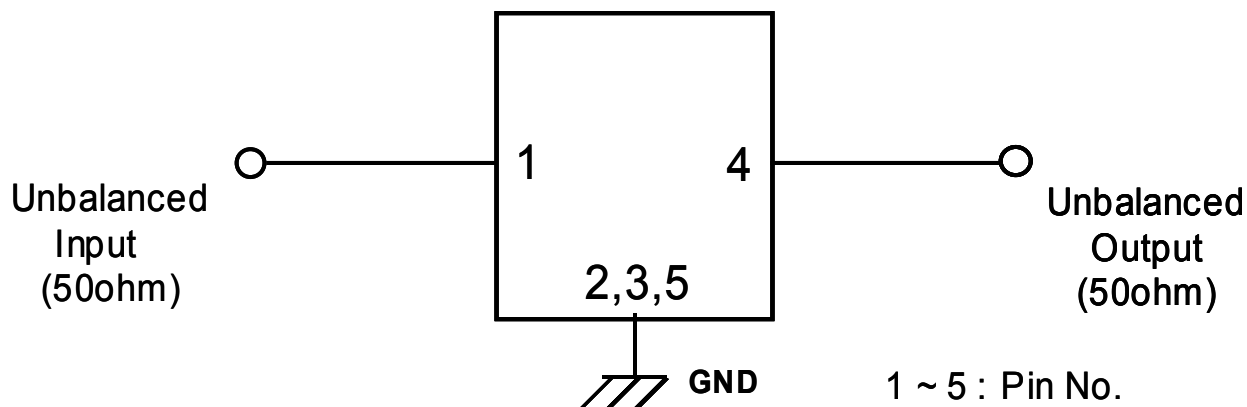


Unit: mm

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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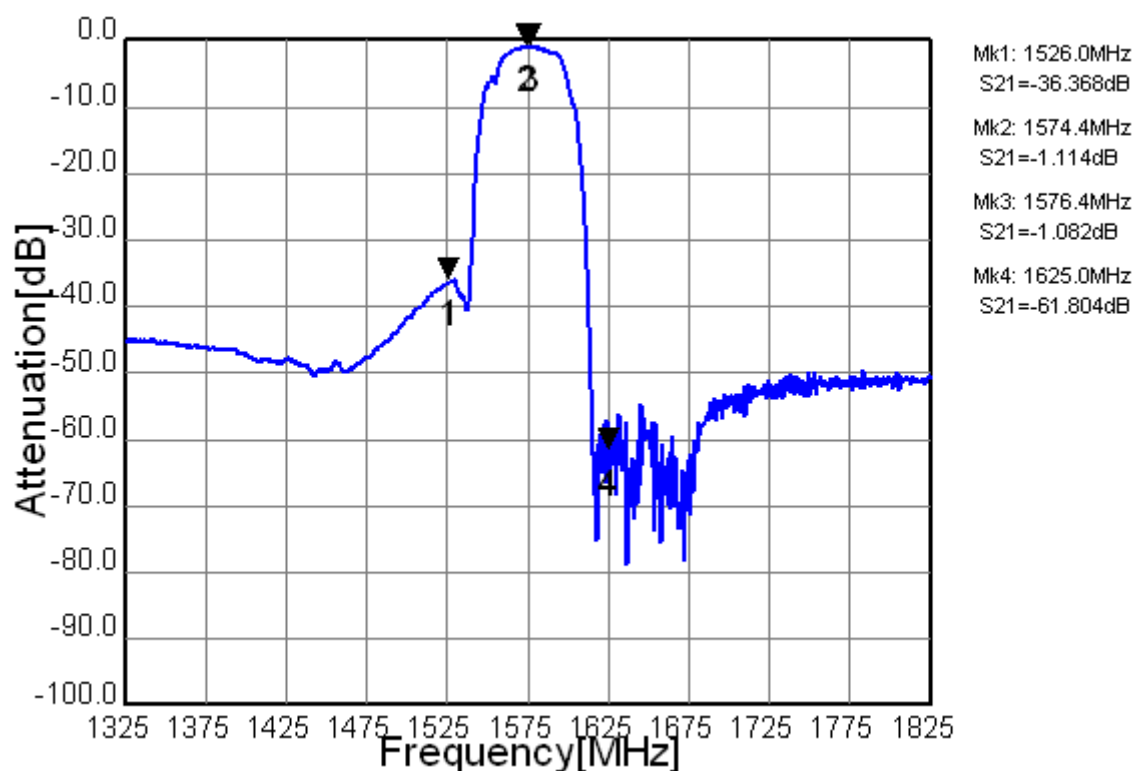


Fig.1 Pass-band Characteristics

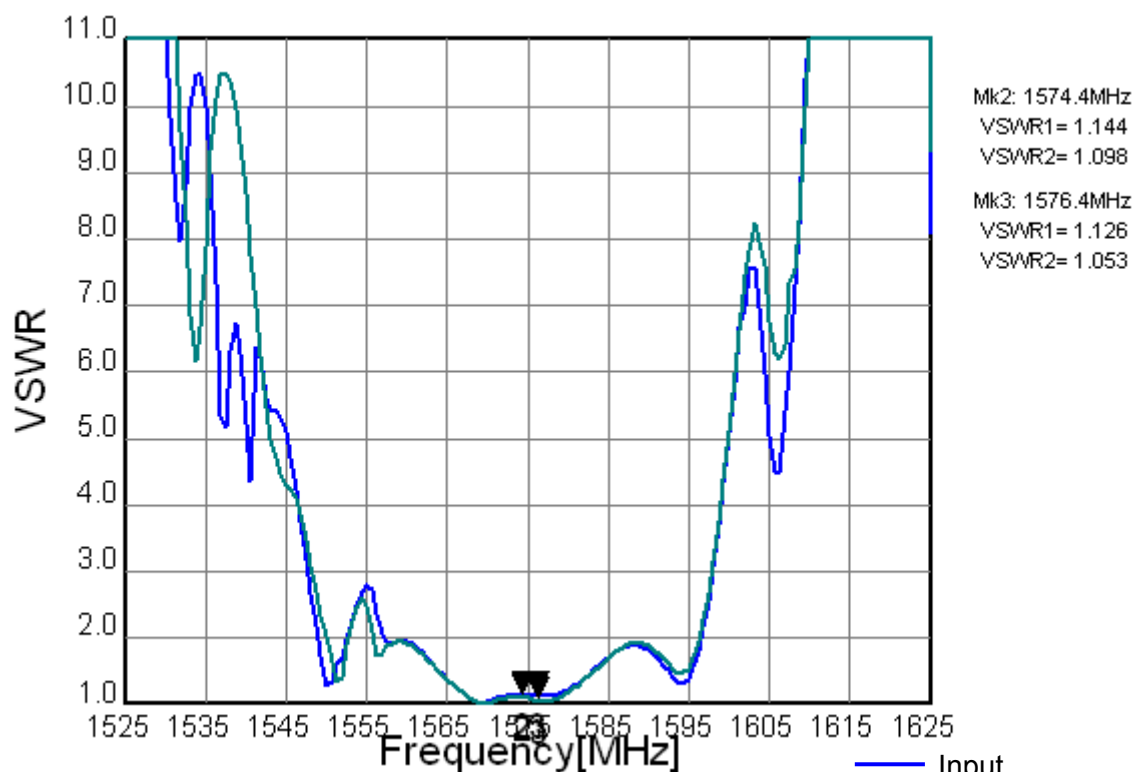


Fig.2 VSWR

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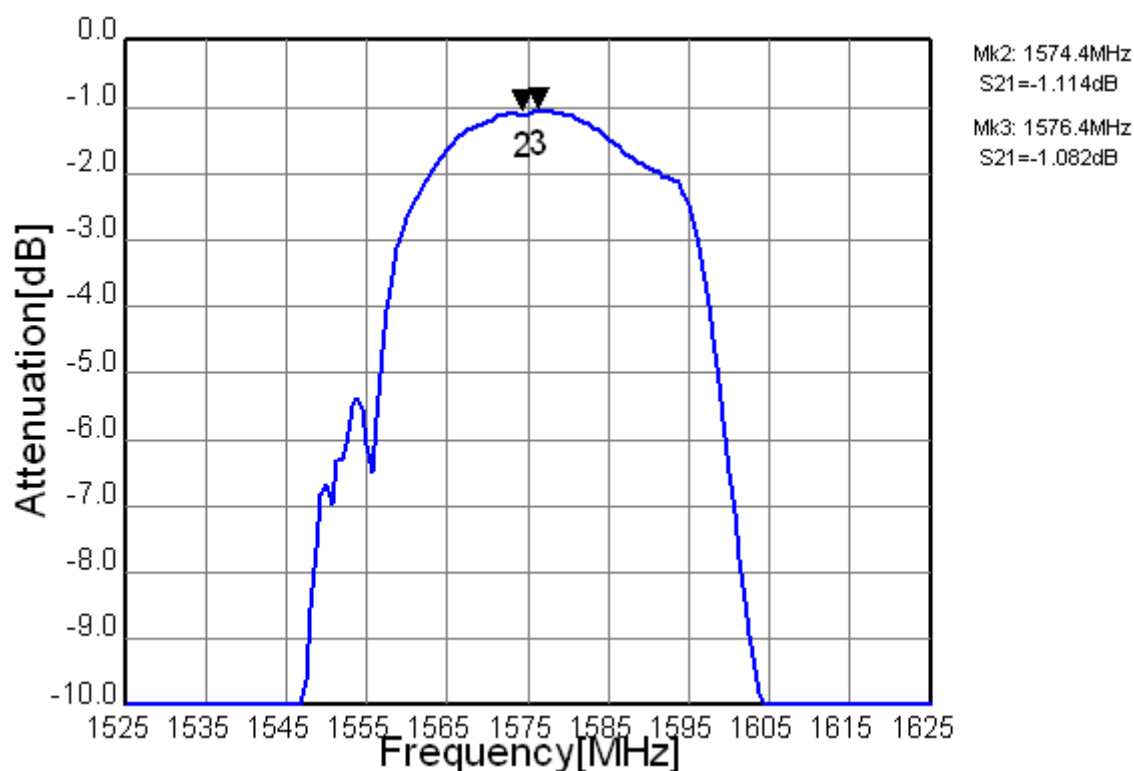


Fig.3 In-band Characteristics

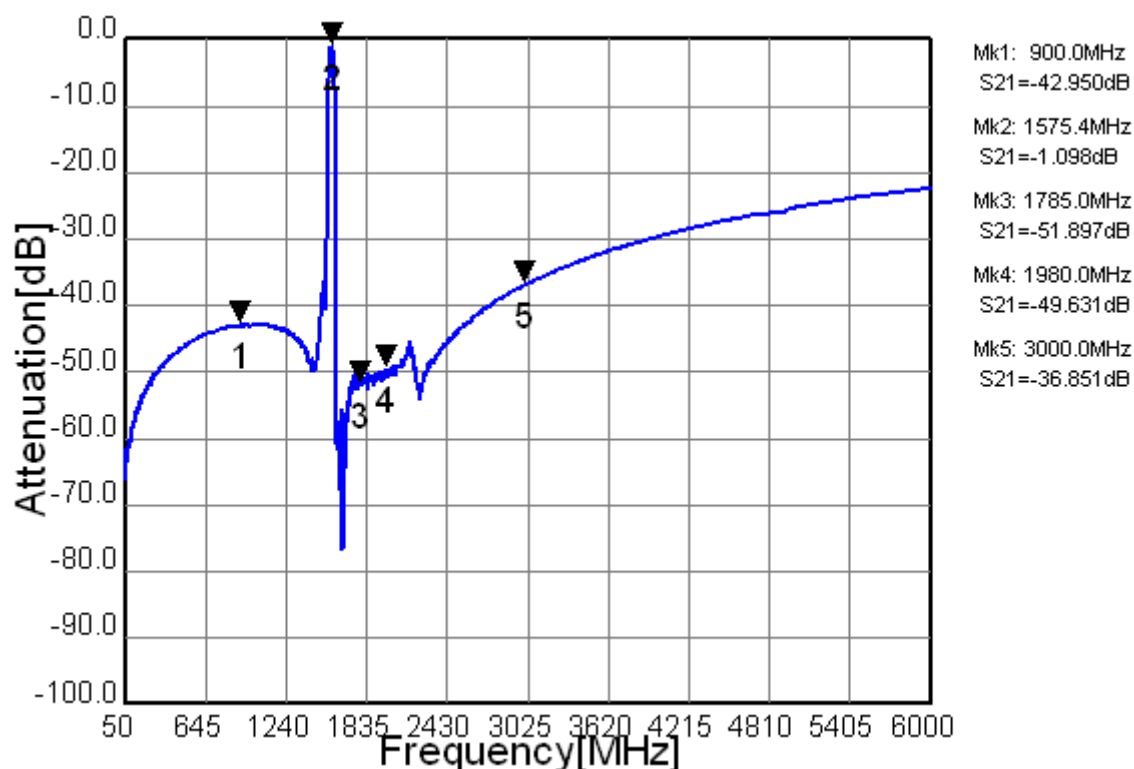


Fig.4 Wide-band Characteristics

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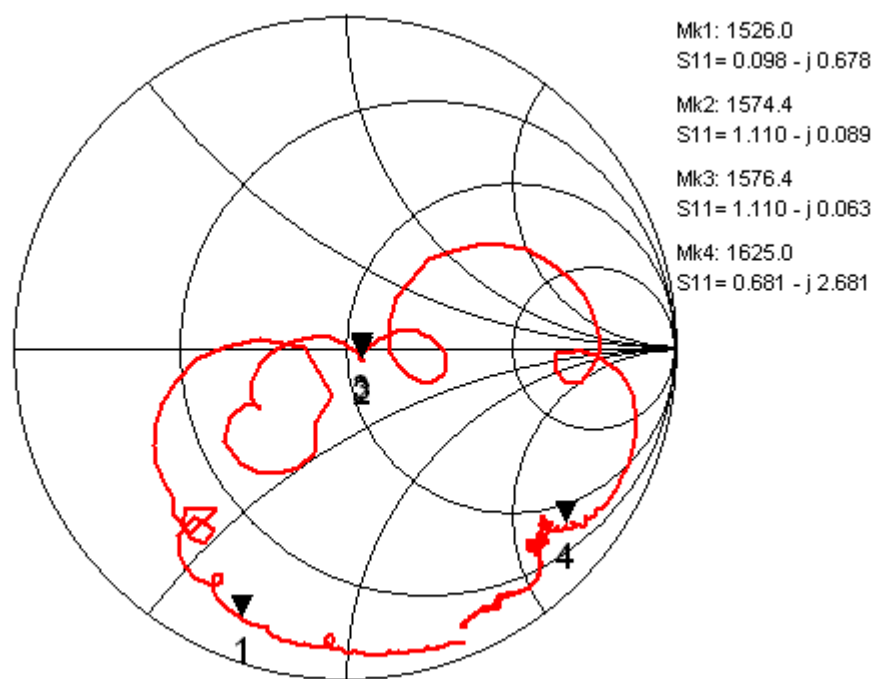


Fig.5 Input impedance

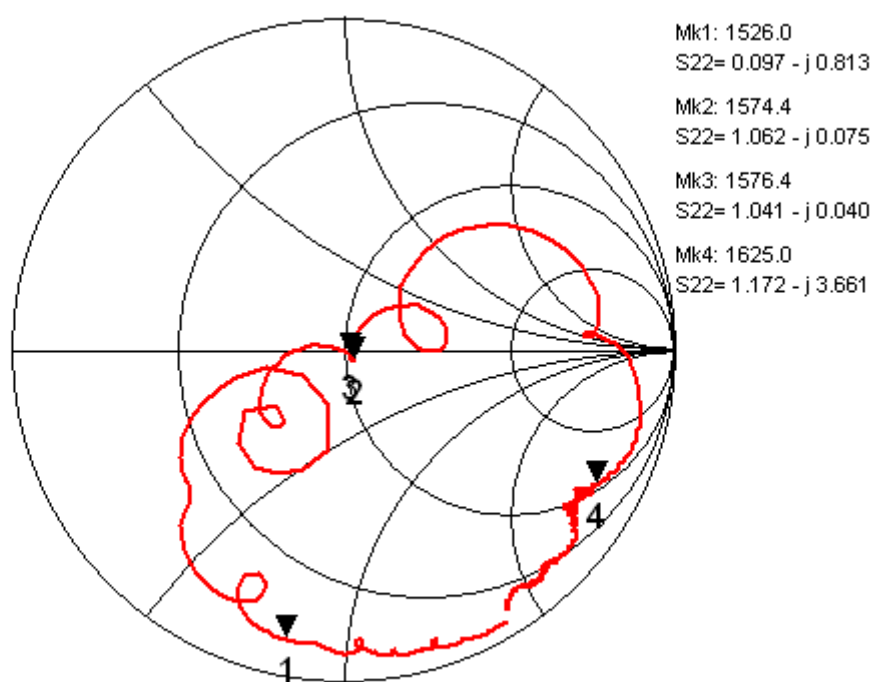


Fig.6 Output impedance