



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 32 (L-band) Rx	DATE	June. 25, 2014
Part Number	F6QA1G474H2JS	Version 1.0aA	FINAL

Table 1. Electrical specification

Passband: 1452 ~ 1496 MHz						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1452 ~ 1496	-	1.8	2.6	dB	(*1)
VSWR(Input)	1452 ~ 1496	-	1.8	2.2	-	
VSWR(Output)	1452 ~ 1496	-	1.8	2.2	-	
Absolute attenuation	814 ~ 915	45	47	-	dB	
	1226 ~ 1250	45	49	-	dB	
	1559 ~ 1980	45	54	-	dB	
	2400 ~ 2570	45	49	-	dB	
	2570 ~ 3500	30	41	-	dB	
	3500 ~ 4500	20	35	-	dB	
	4500 ~ 6000	20	38	-	dB	
Input Impedance		50			Ohm	Single-ended
Output Impedance		50			Ohm	Single-ended
Operating temp.		-30 to +85			°C	
Package size		1.1typ.x 0.9typ.x 0.5max.			mm	

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



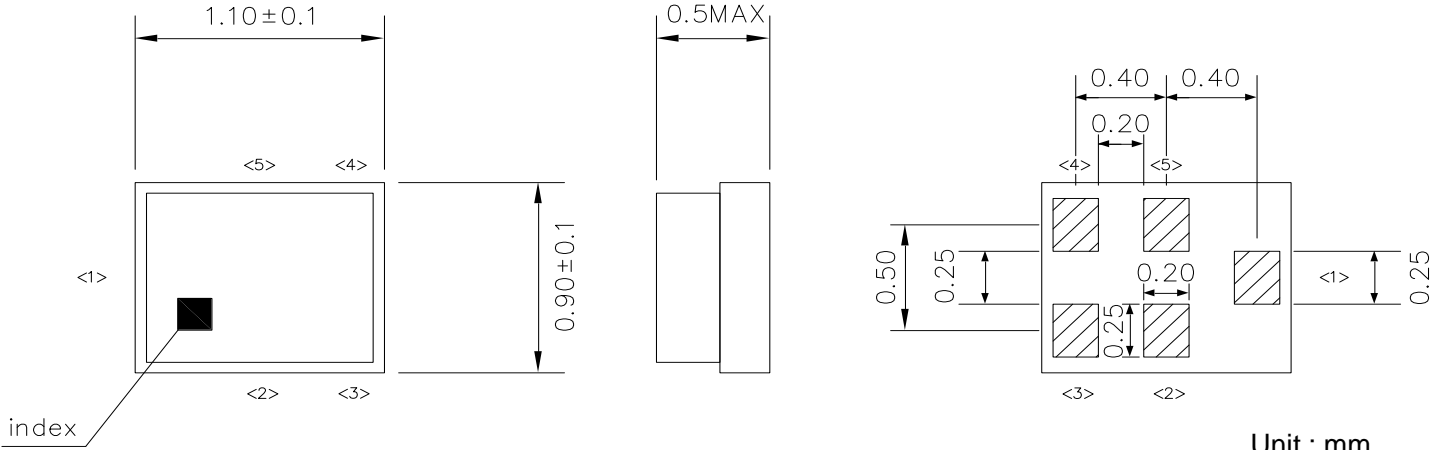
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Dimensions

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

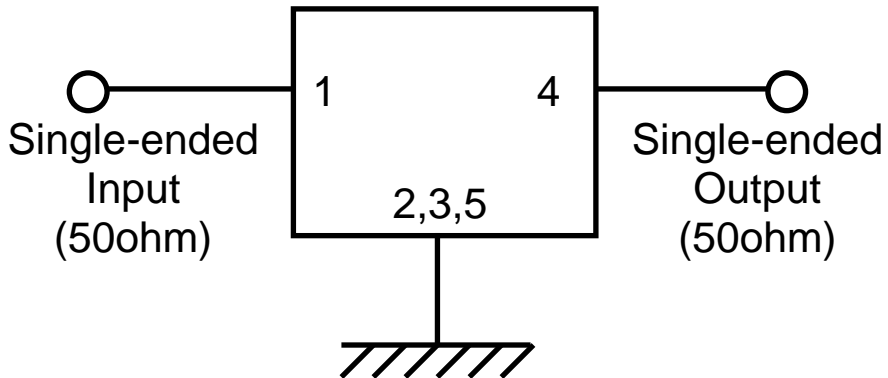


Unit : mm

Pin Configuration

Pin No.	Symbol	Function
1	IN	Single-ended pin
2	GND	Ground
3	GND	Ground
4	OUT	Single-ended pin
5	GND	Ground

Test Condition





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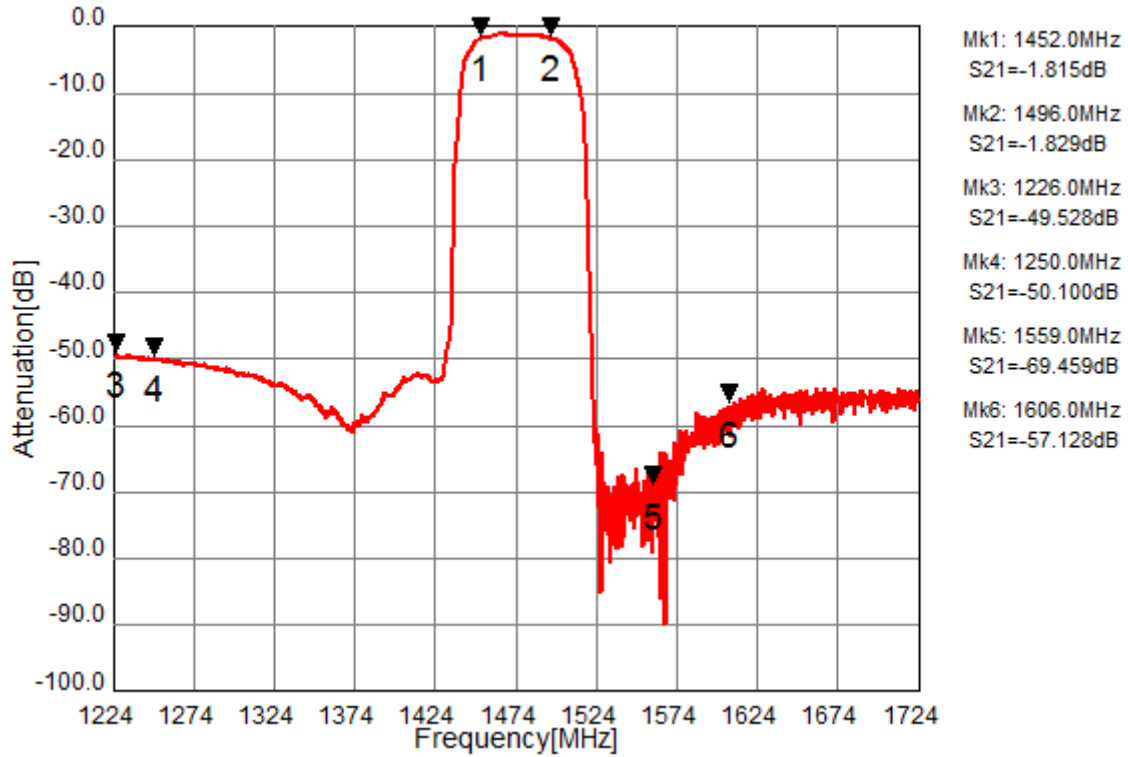


Fig.1 Pass-band Characteristics

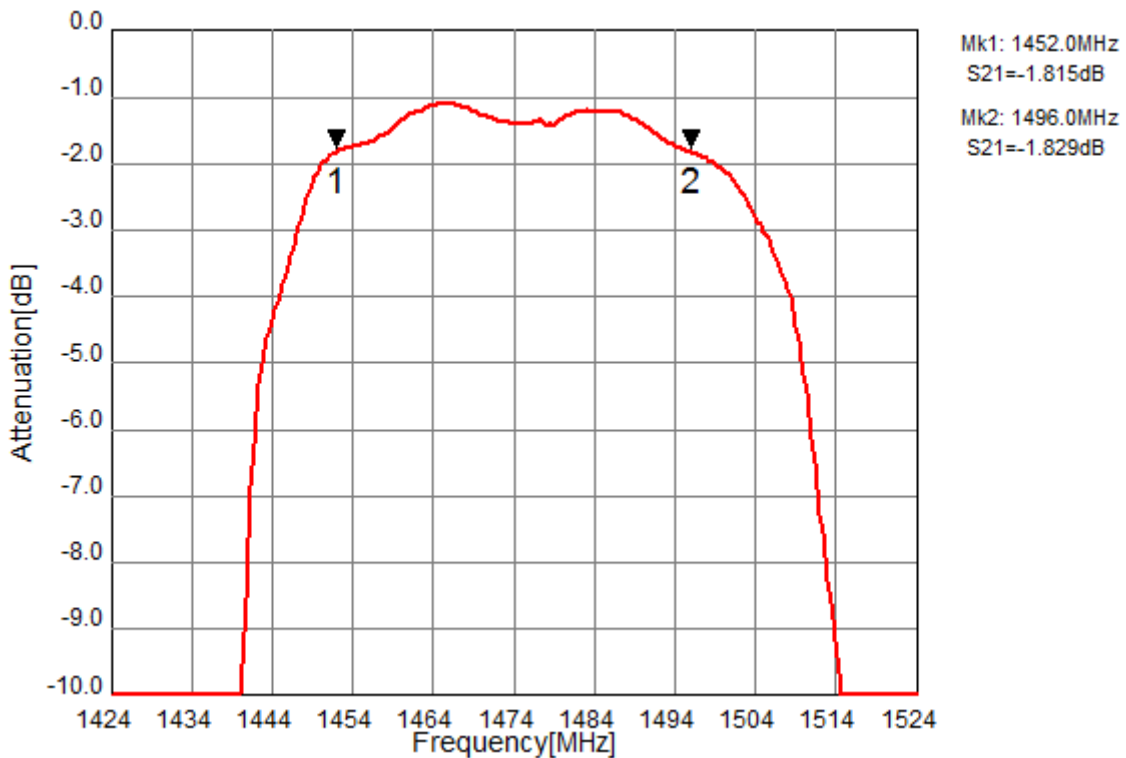


Fig.2 In-band Characteristics



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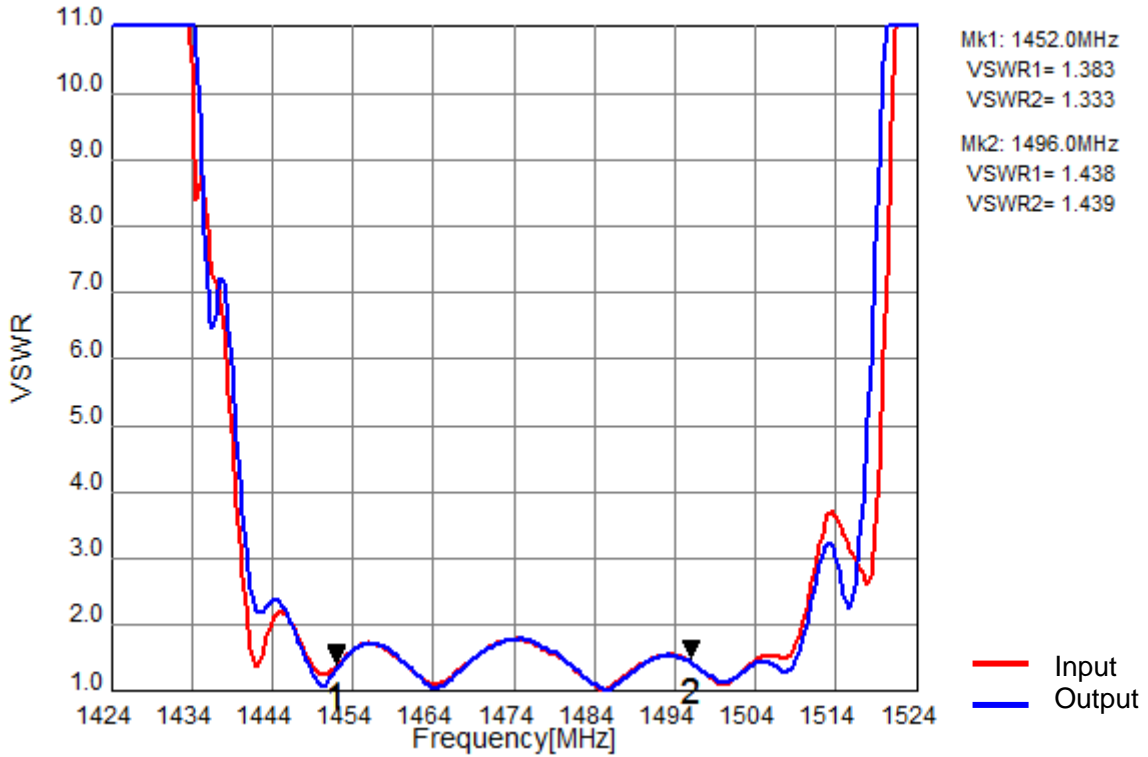


Fig.3 VSWR

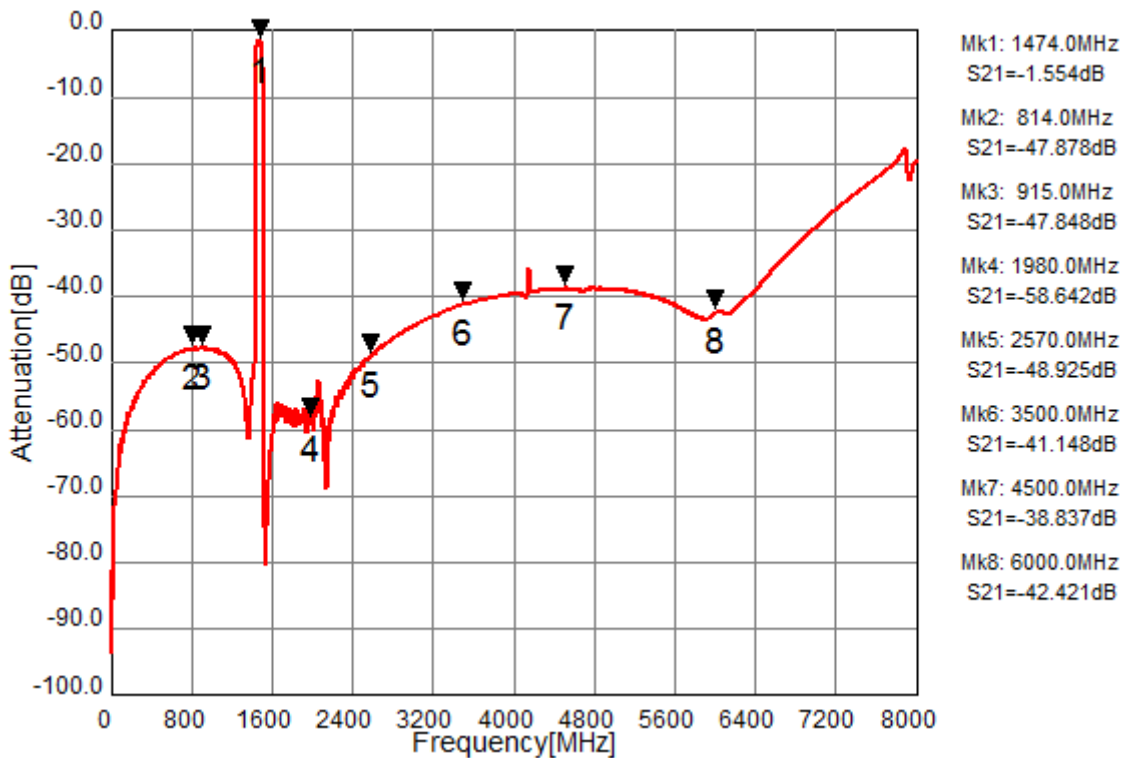


Fig.4 Wide-band Characteristics



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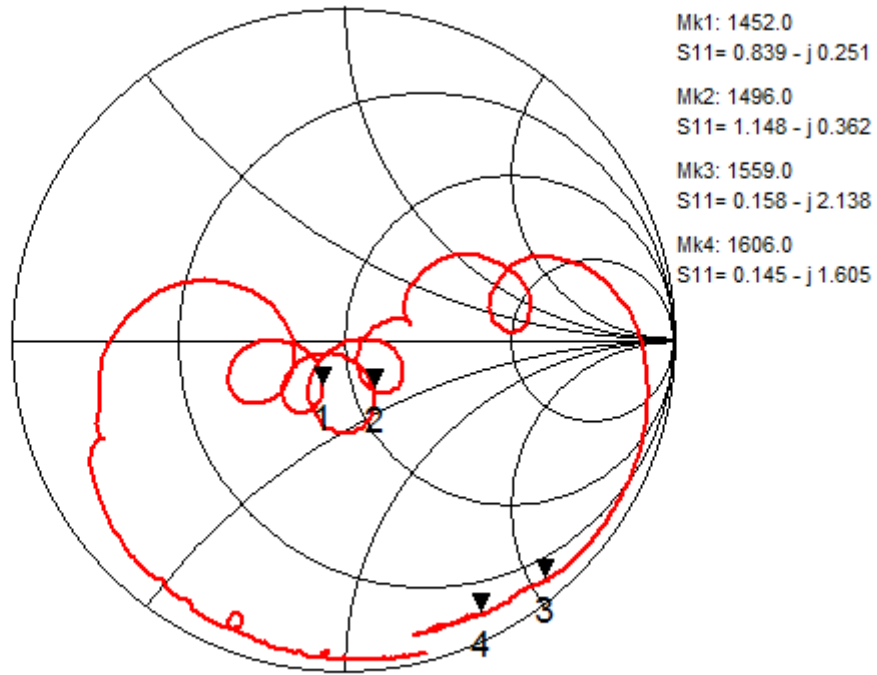


Fig.5 Input Impedance

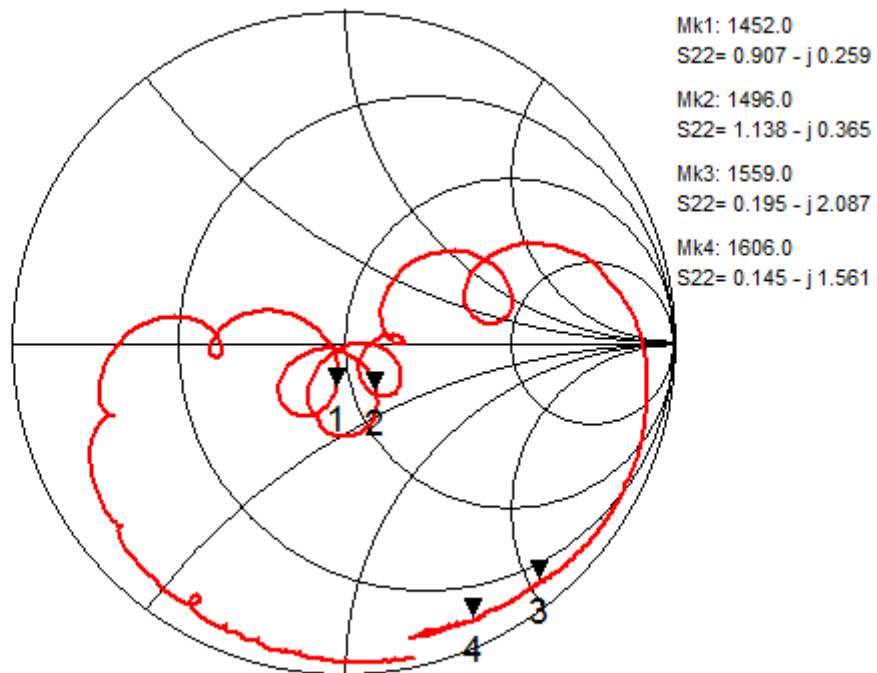


Fig.6 Output Impedance