



MSL1

*Pb Free part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.Ltd.	
System	W-LAN	DATE	Aug. 5, 2010
Part Number	F6KA2G436A4VE	Version 1.0a	Final

Table 1.

Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	2400 - 2472	-	2.5	3.3	dB	at 25°C
			-	4.2	dB	
Ripple	2400 - 2472	-	1.3	2.1	dB	at 25°C
		-	-	3.3	dB	
VSWR (Input)	2400 - 2472	-	2.0	2.3	dB	
VSWR (Output)	2400 - 2472	-	1.9	2.2	dB	
Absolute attenuation	DC - 960	25	29	-	dB	
	960 - 1580	25	29	-	dB	
	1710 - 1990	25	29	-	dB	
	2110 - 2170	28	33	-	dB	
	2496 - 2690	35	47	-	dB	at 25°C
		10	-	-	dB	
	2690 - 4800	25	32	-	dB	
	4800 - 5000	20	31	-	dB	
5000 - 6000	15	27		dB		
Input impedance	-	50			Ohms	
Output impedance	-	50			Ohms	
Max. Input Power	2400 - 2472	+24dBm, 85°C, 10000h			dBm	Continuous Wave
Temperature range	-	-30 to +85			°C	
Package size	-	1.4typ x 1.0typ x 0.5max			mm	



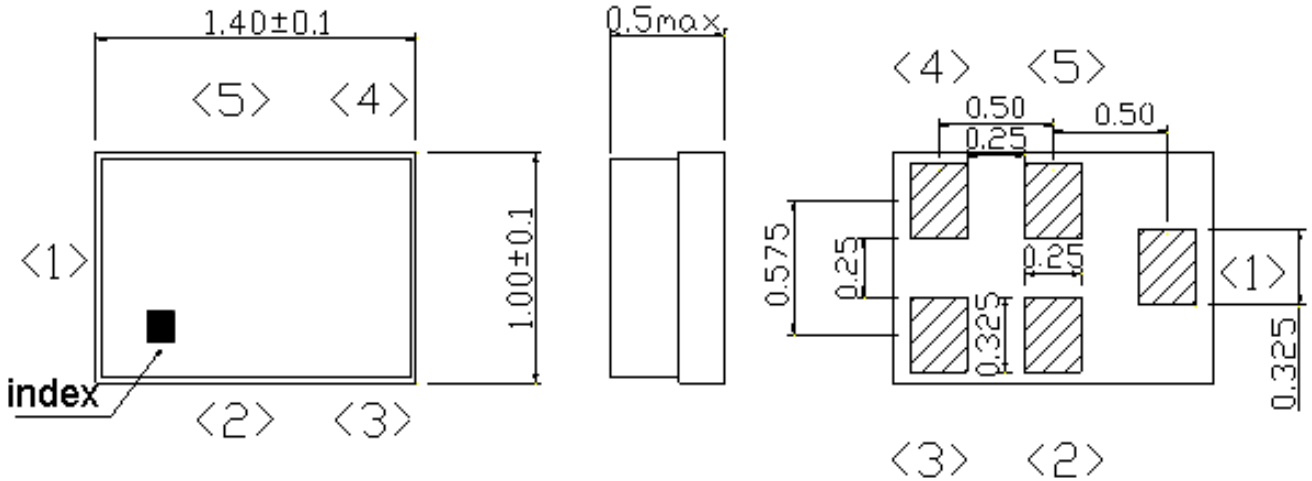
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Dimensions

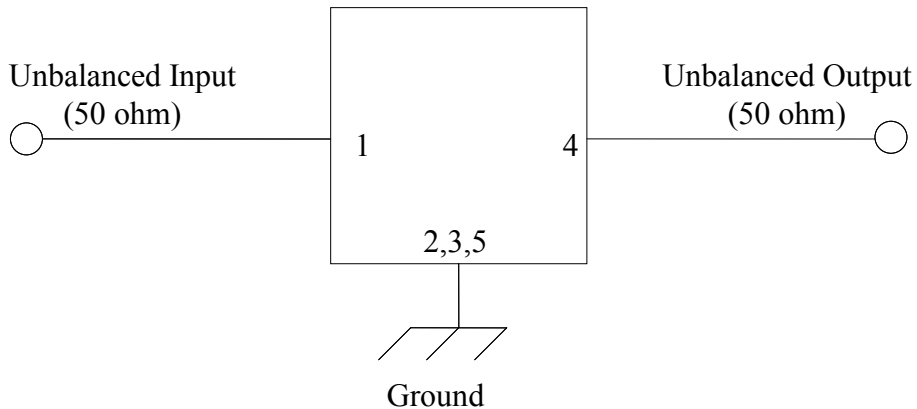
Device size: 1.4typ. x 1.0typ. x 0.5max



Pin Configuration

Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

Evaluation Circuit



1 to 5 ; Pin No.



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Fig.1. Pass-band Characteristics

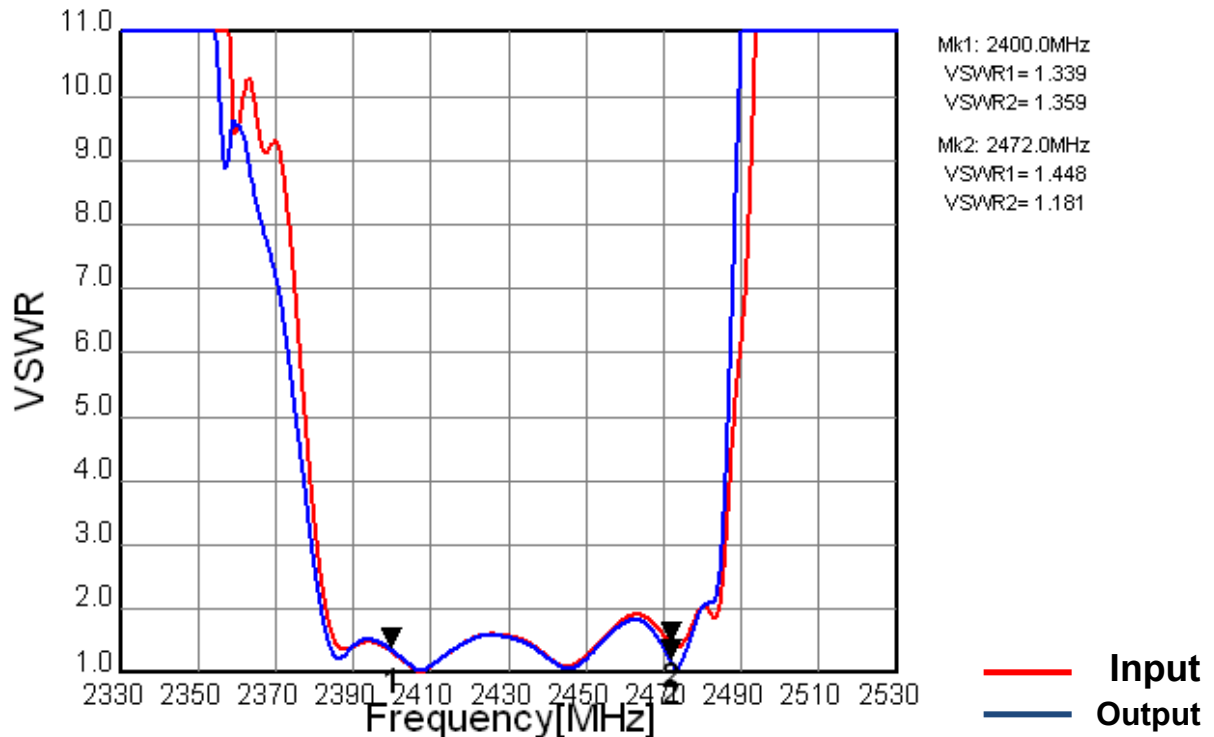


Fig.2. VSWR



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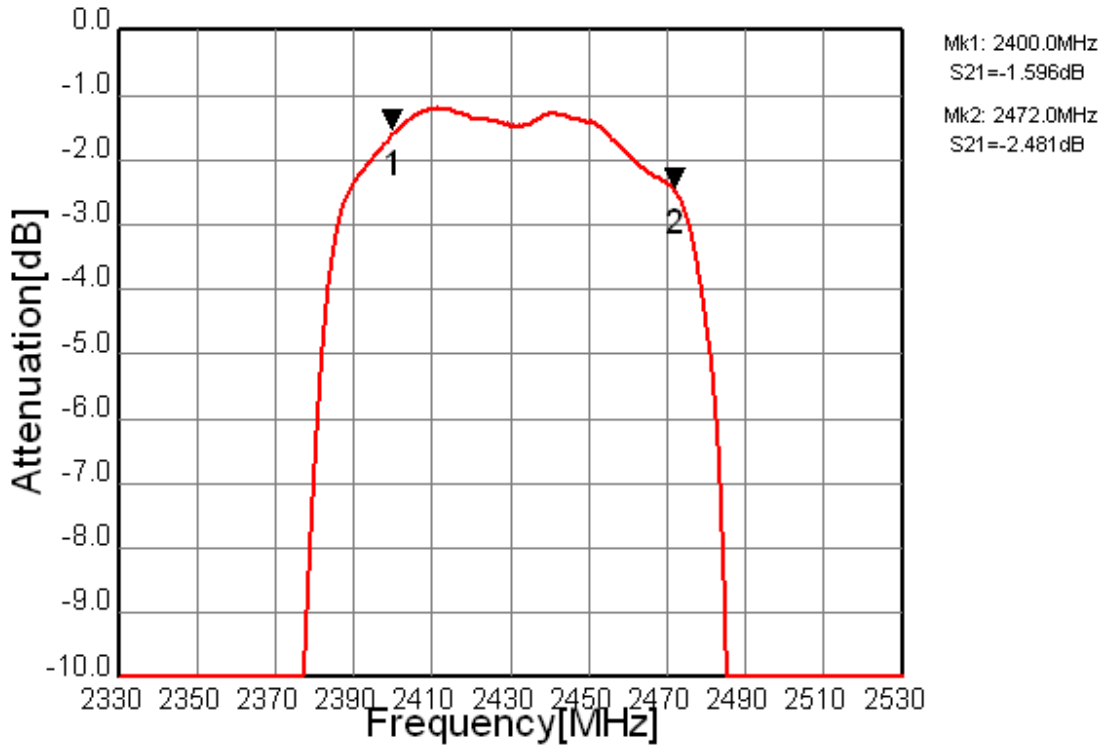


Fig.3. In-band Characteristics

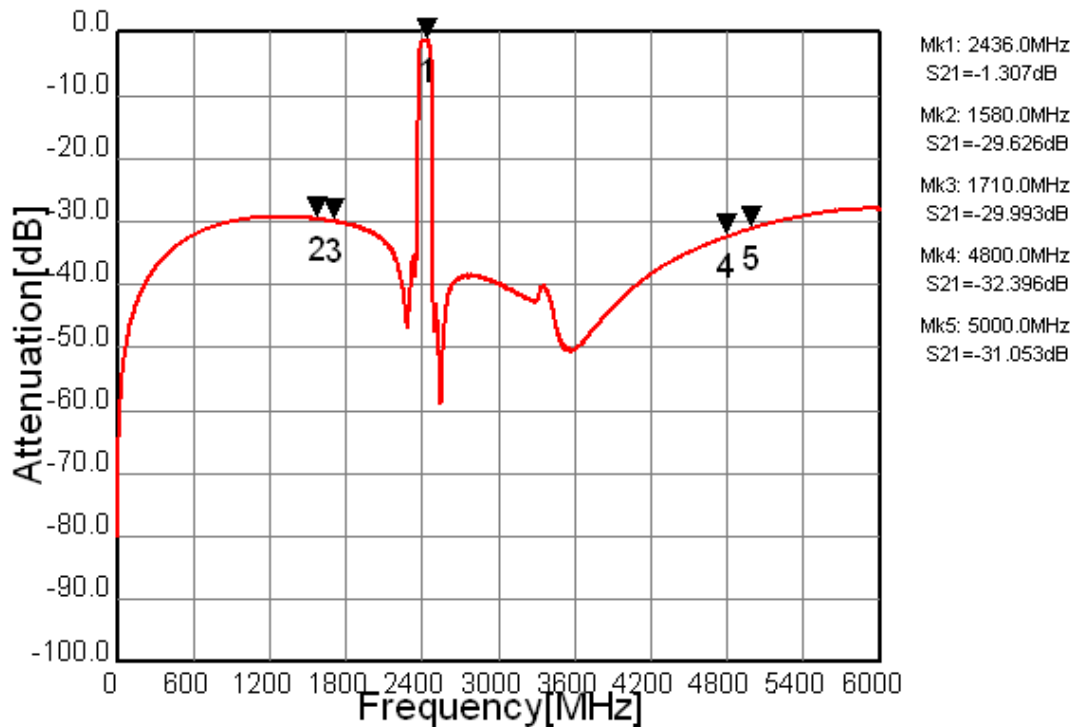


Fig.4. Wide-band Characteristics



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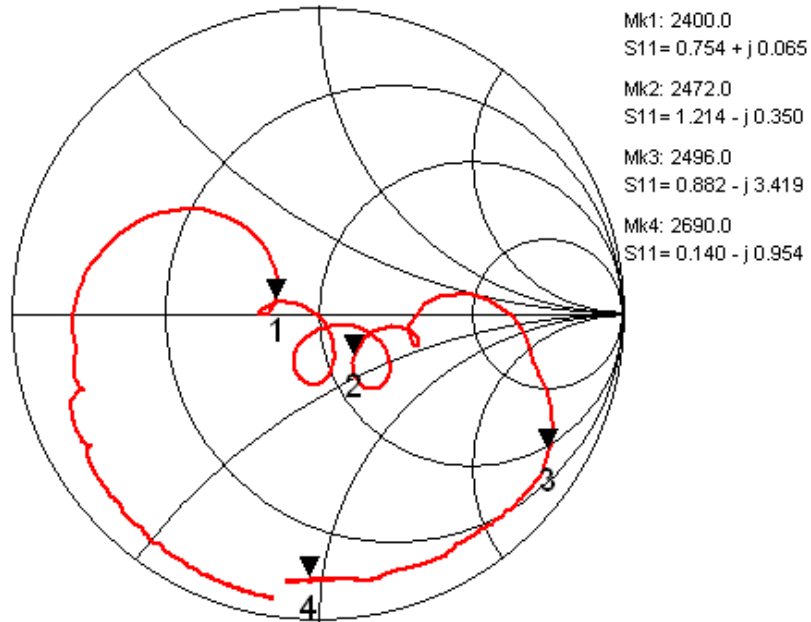


Fig.5 Input Impedance

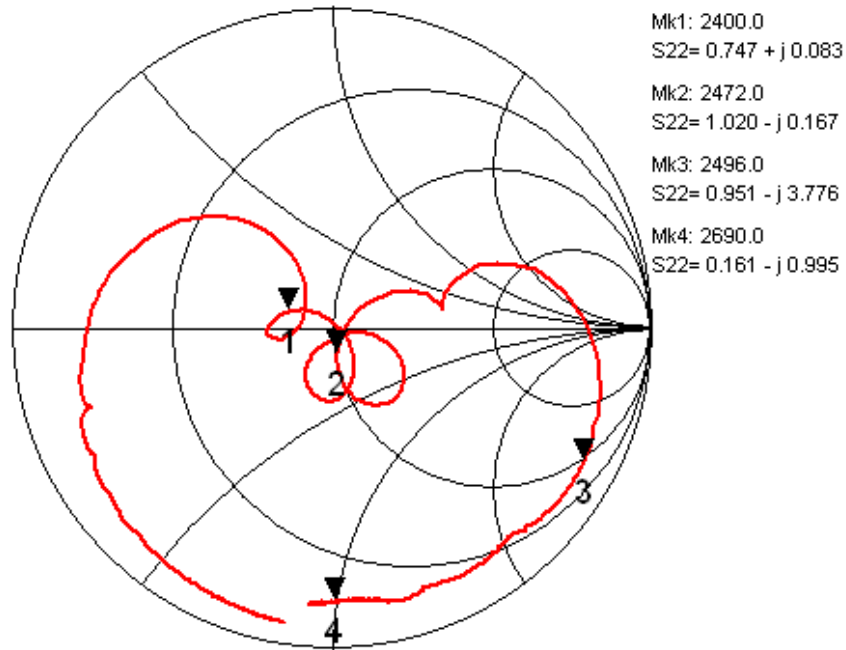


Fig.6 Output Impedance



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Ordering Code

Ordering Code	Packing	Reel size	Status
F6KA2G436A4VE-Z	Tape & Reel	3,000pcs.	MP
F6KA2G436A4VE-ZA	Tape & Reel	less than 3,000 pcs.	MP
F6KA2G436A4VE-Y	Tape & Reel	15,000pcs	MP
F6KA2G436A4VE-YA	Tape & Reel	less than 15,000 pcs.	MP
F6KA2G436A4VE-Q	Bulk	few pcs.	MP

*Minimum order quantity (MOQ) is assigned for each inquiry, Please contact to Sales Representatives..

*MP : Mass Production

Notice

All of the contents specified herein are subject to change without notice due to technical improvements, etc.

Please contact Taiyo Yuden Co., Ltd. for further details of product specifications.

Please conduct validation and verification of products in actual condition of mounting and operating environment before commercial shipment of the equipment.