



MSL1

*Pb Free part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	WCDMA I (2G) Rx	DATE	Jun. 28, 2011
Part Number	FAR-F6KA-2G1400-D4DW	Version 1.0a	FINAL

Table 1.Electrical specification

Pass Band 2110 - 2170MHz						
Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	2110-2170 MHz	-	1.9	2.5	dB	
Ripple	2110-2170 MHz	-	0.7	1.4	dB	
Absolute attenuation	1920-1980 MHz	43	48	-	dB	
	4220-4340 MHz	30	38	-	dB	
VSWR(S11)	2110-2170 MHz	-	1.9	2.4	-	
VSWR(S22)	2110-2170 MHz	-	1.9	2.4	-	
In/Output impedance	-	50/50			ohm	
Operating temperature		-30 to +85			°C	
Device size (L x W x H)		1.4typ.x1.0typ.x0.5max.			mm	SMD



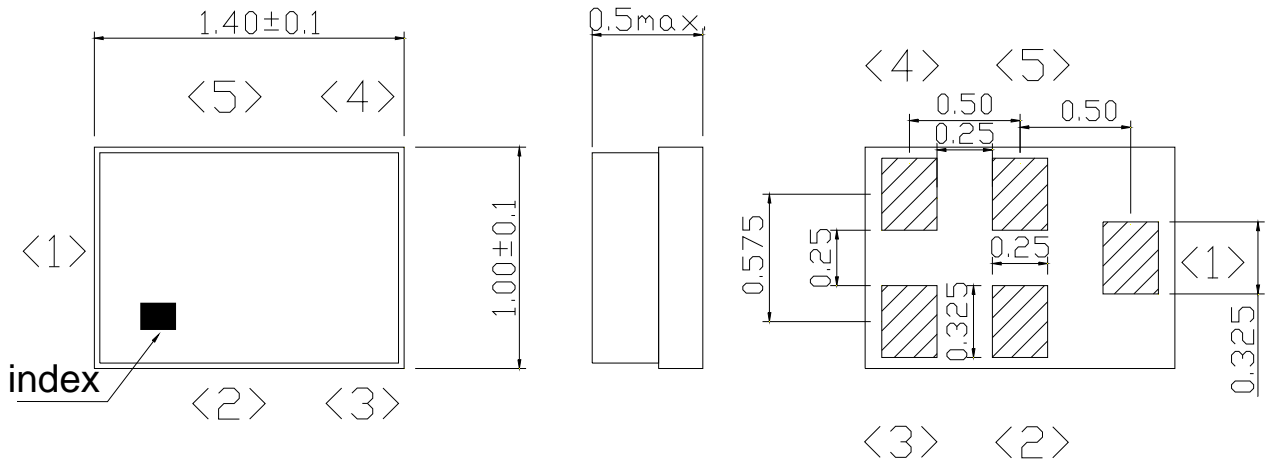
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Dimensions

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

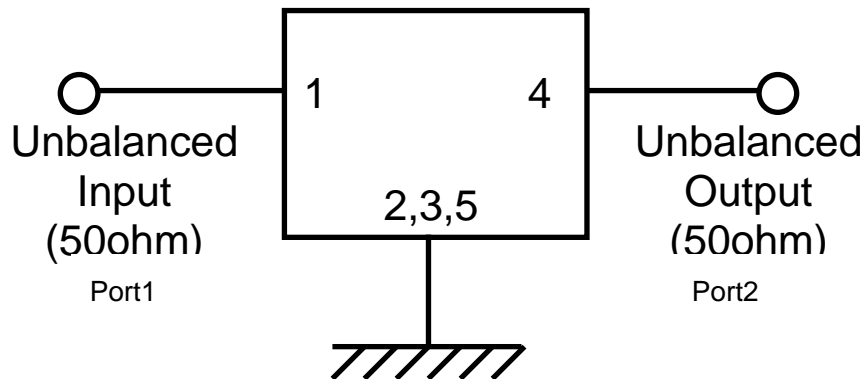


Unit: mm

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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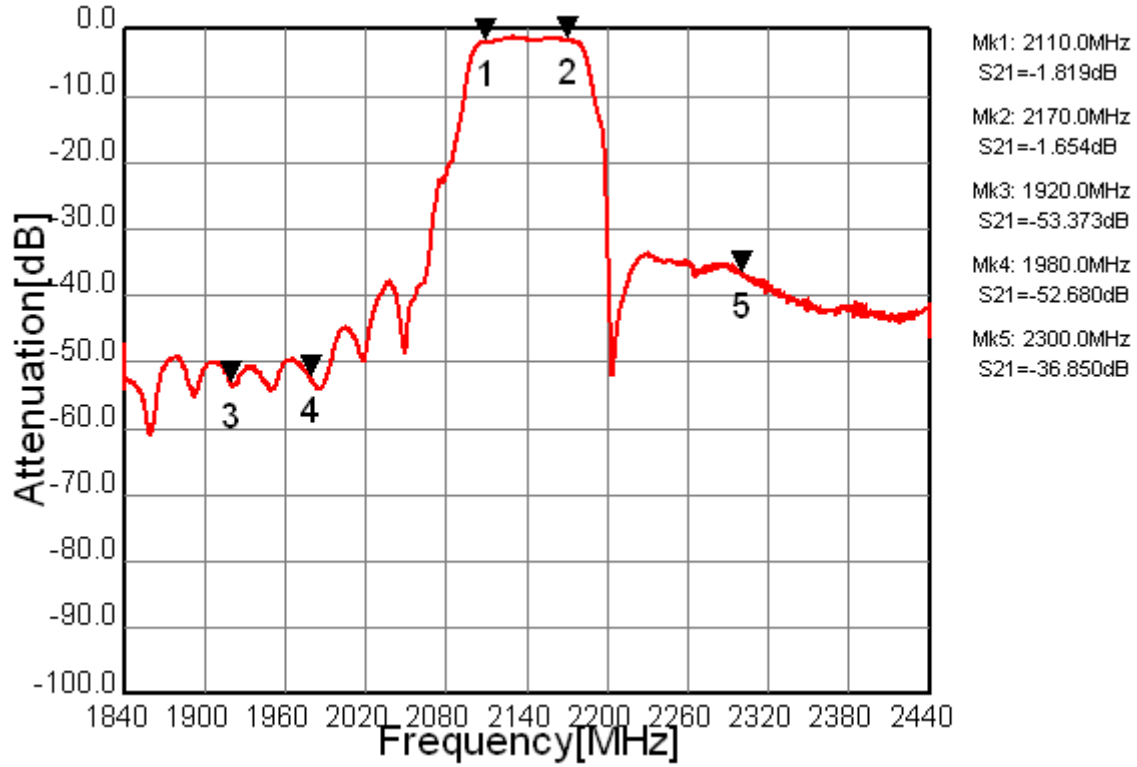


Fig.1 Pass-band Characteristic

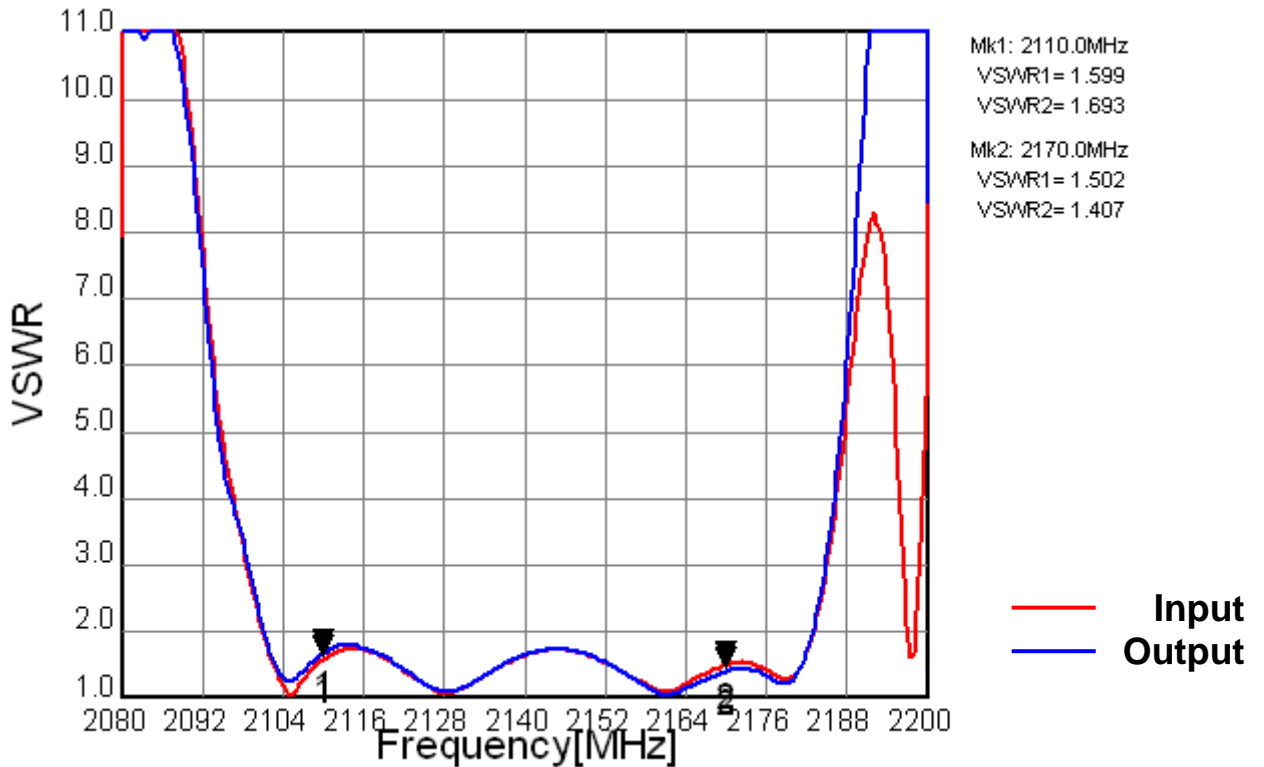


Fig.2 VSWR



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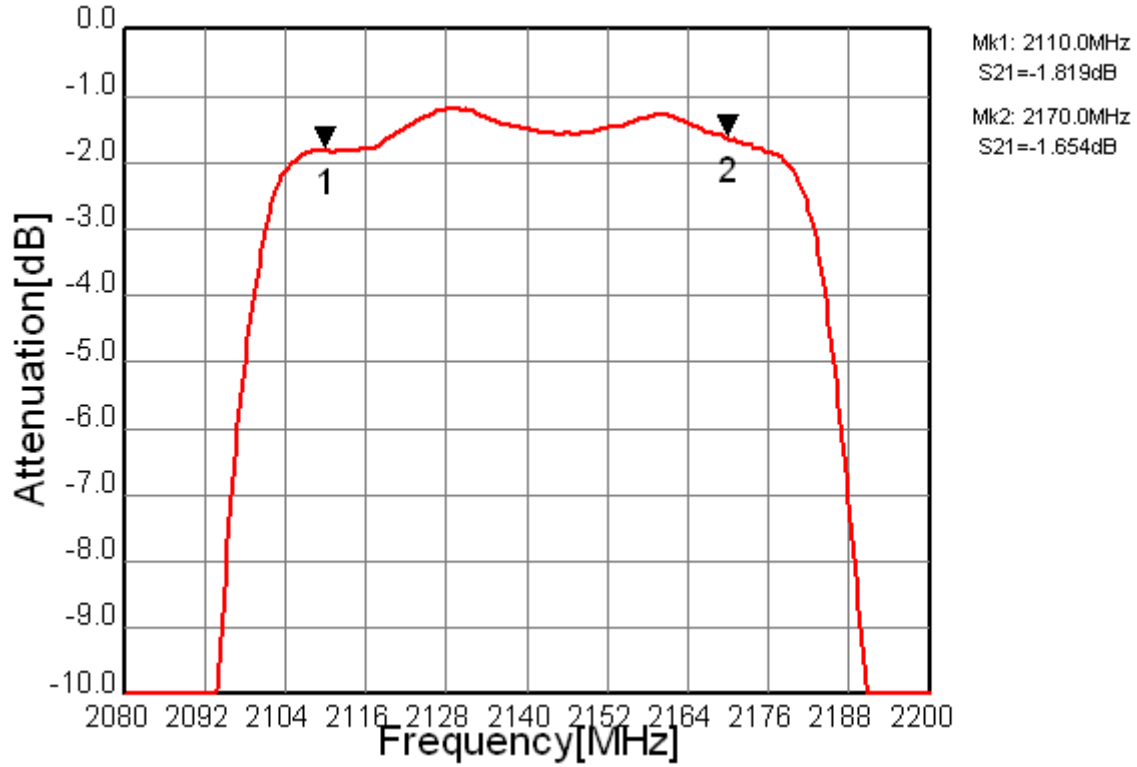


Fig.3 In-band Characteristic

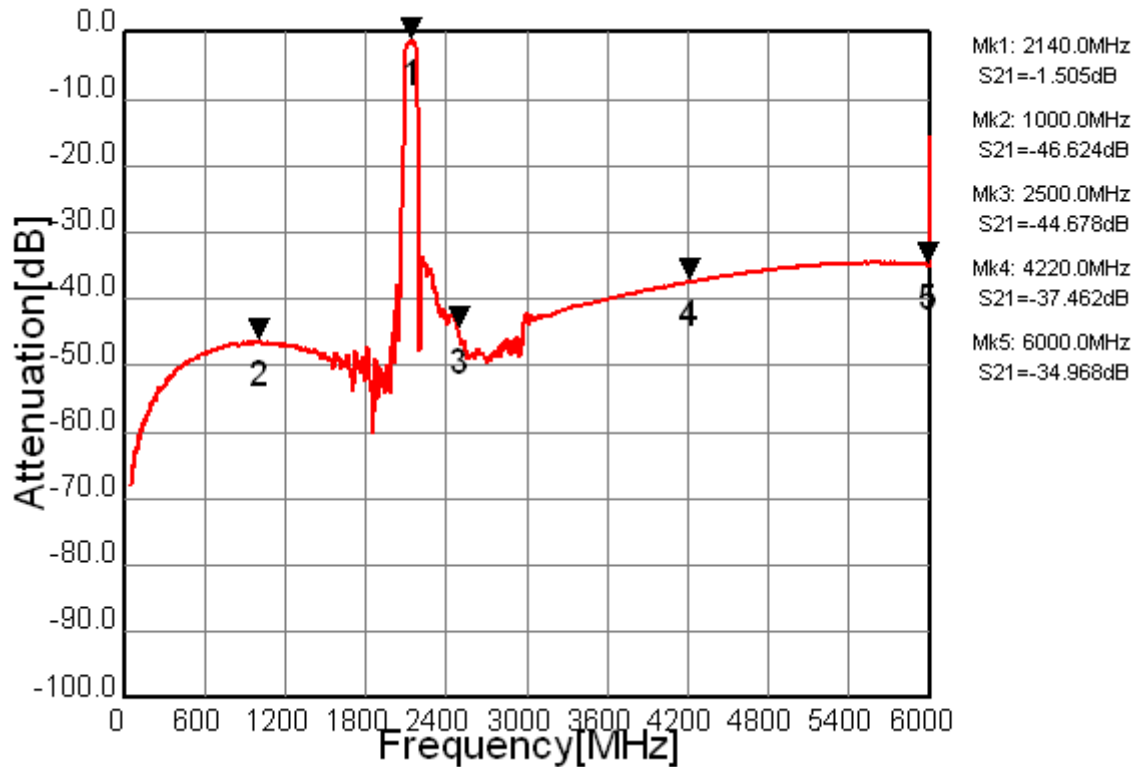


Fig.4 Wide-band Characteristic



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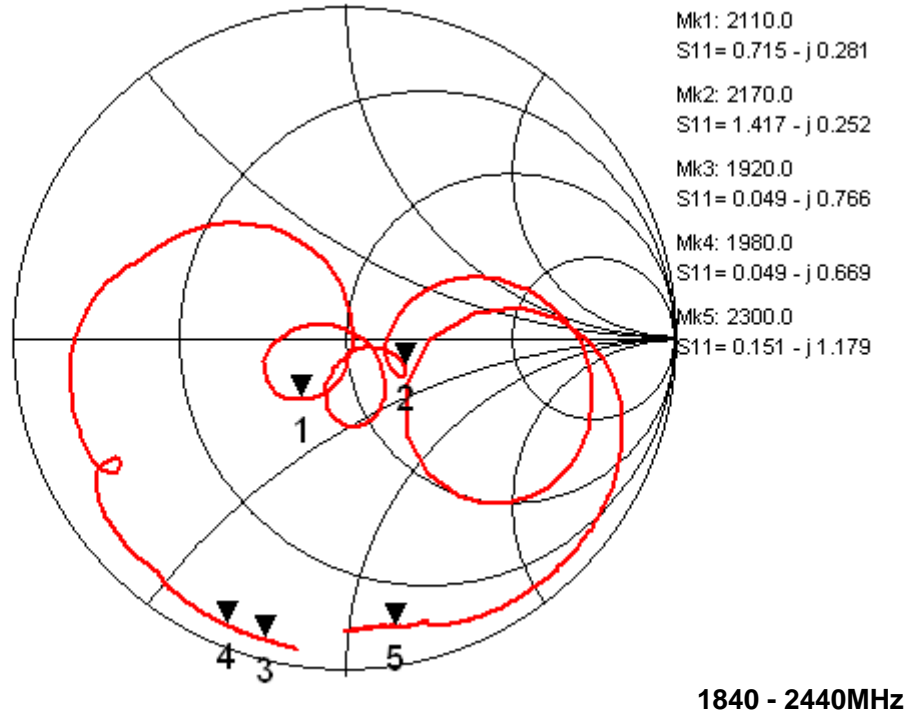


Fig.5 Impedance (S11)

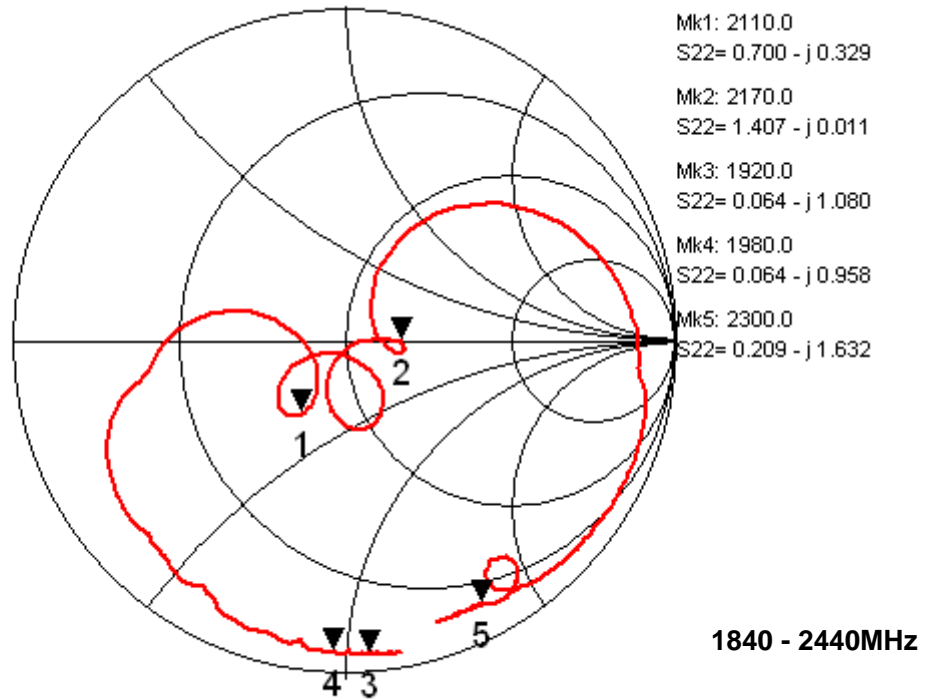


Fig.6 Impedance (S22)