MSL1

* Pb Free Part

Customer Name	**Standard**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	DCS-Rx (unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G8425-D4CK	Version 3.0c	

Table 1. Electrical specification

Passband: 1805 ~ 1880 MHz						
Item	**Condition**	**Specification**				**Remarks**
		Min.	Typ.	Max.	Unit	
Insertion Loss	1805 - 1880 MHz	-	2.1	2.5	dB	
Ripple	1805 - 1880 MHz	-	0.7	1.6	dB	
Absolute Attenuation	DC - 1300 MHz	28	31	-	dB	
	1300 - 1705 MHz	27	31	-	dB	
	1705 - 1785 MHz	9	20	-	dB	
	1920 - 1980 MHz	15	18	-	dB	
	1980 - 3000 MHz	23	28	-	dB	
	3000 - 6000 MHz	18	22	-	dB	
VSWR(Input)	1805 - 1880 MHz	-	2.2	2.7	-	
VSWR(Output)	1805 - 1880 MHz	-	2.4	2.9	-	
Input Impedance		50 //6.8nH			Ohm	
Output Impedance		50			Ohm	
Device size		1.4typ.x1.0typ.x0.5typ.			mm	
Operating temp.		-30 ~ +85			°C	

MSL1

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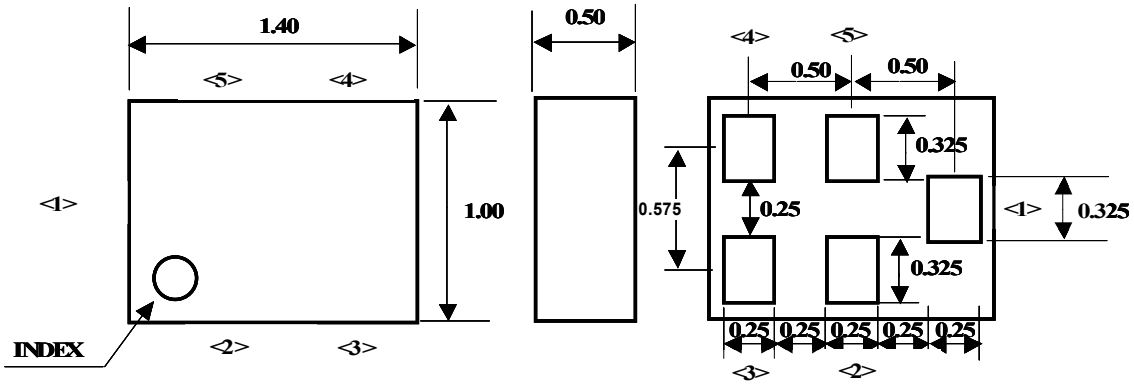
Part Number	FAR-F6KA-1G8425-D4CK	Version 3.0c	

Dimensions

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

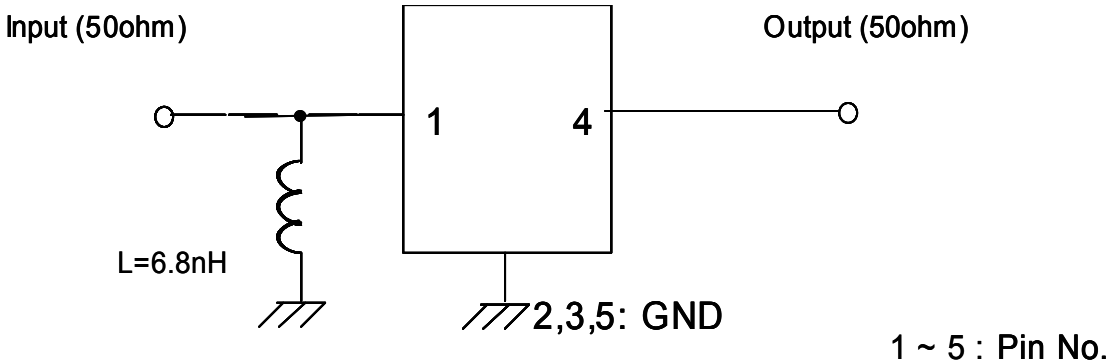


Unit: mm

Pin Configuration

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

Evaluation Circuit



1 ~ 5 : Pin No.

Pb-free RoHS MSL1

* Pb Free Part

Customer Name	**Standard**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	DCS-Rx (unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G8425-D4CK	Version 3.0c	

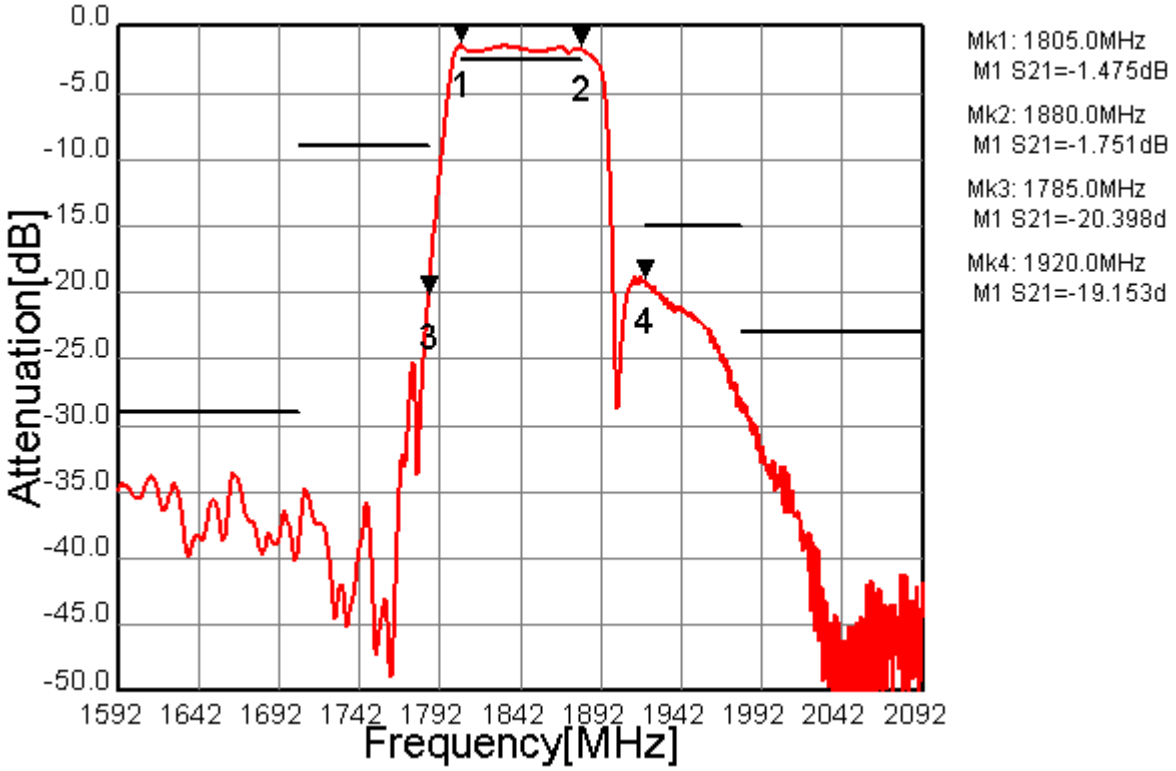


Fig.1 Pass-band Characteristic

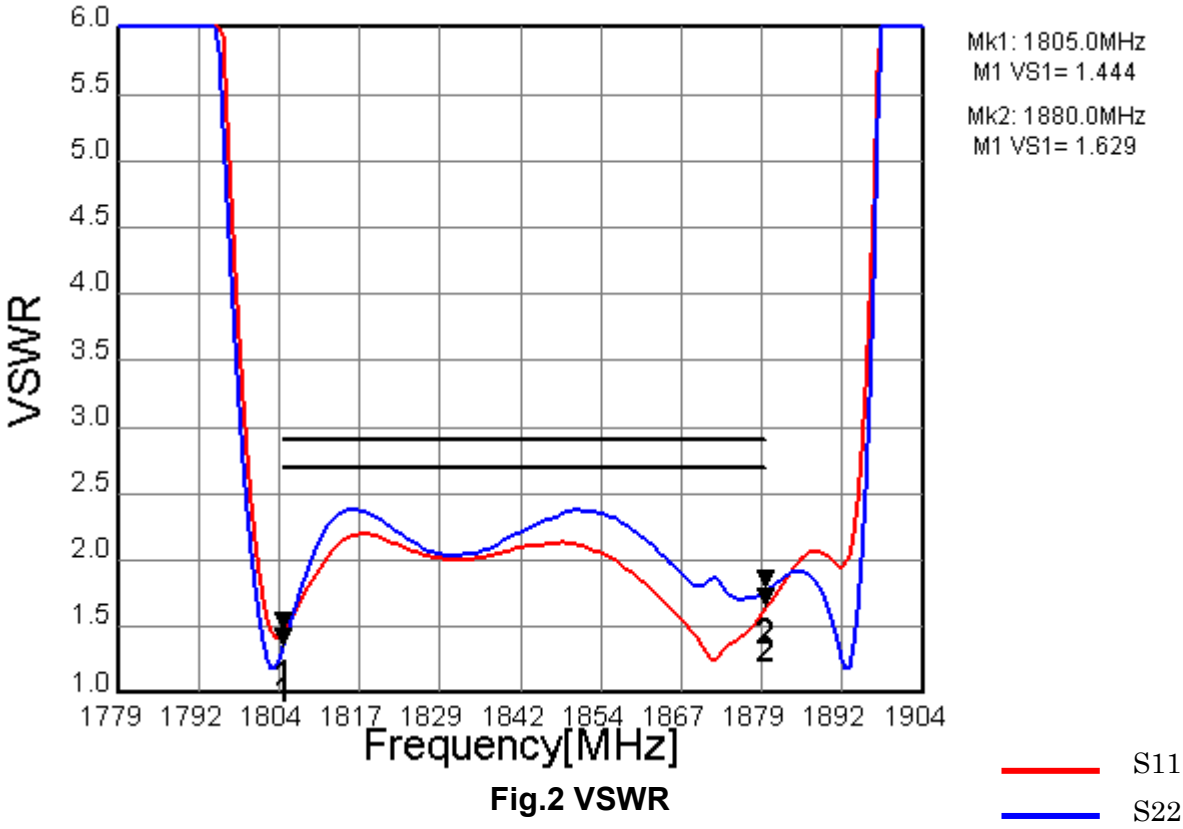


Fig.2 VSWR

Pb-free RoHS MSL1

* Pb Free Part

Customer Name	**Standard**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	DCS-Rx (unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G8425-D4CK	Version 3.0c	

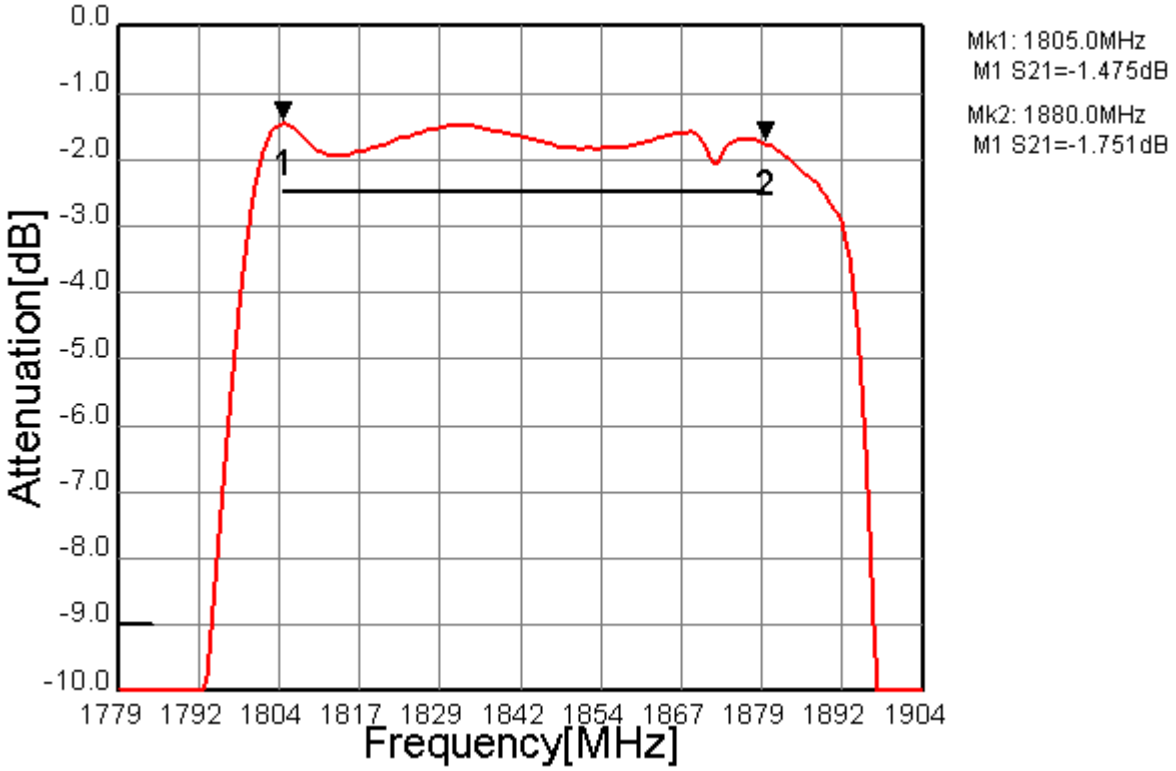


Fig.3 In-band Characteristic

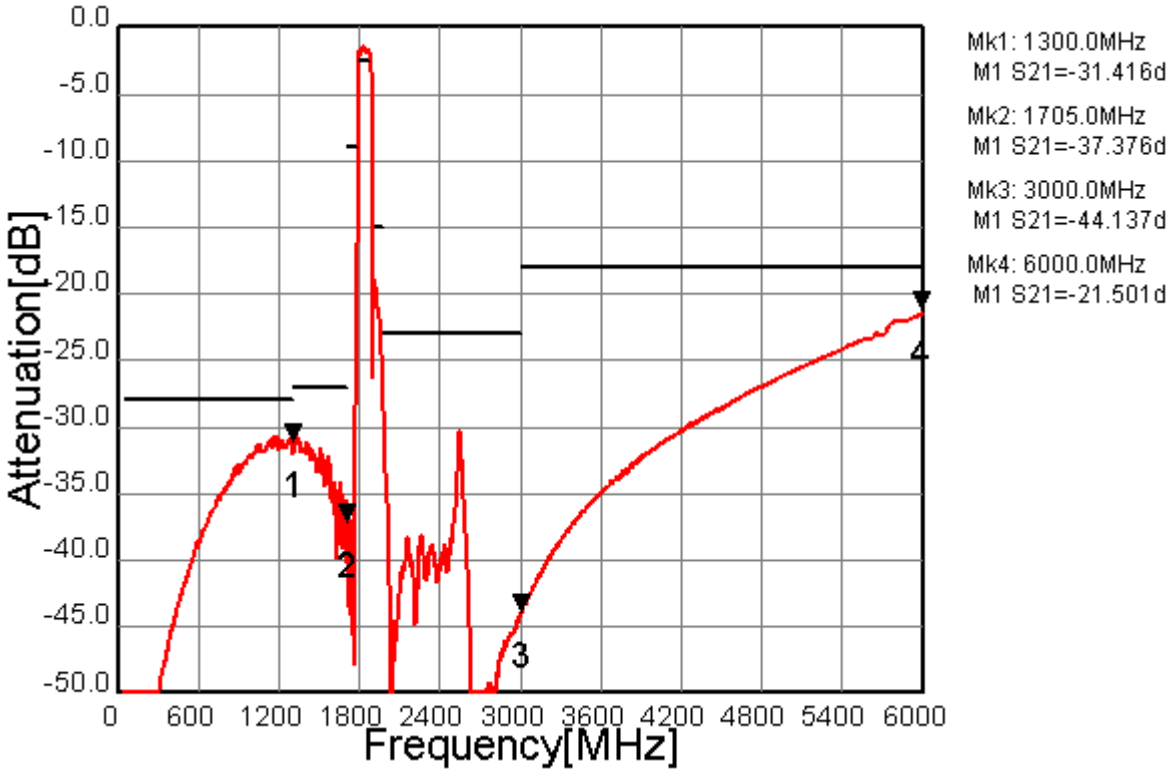


Fig.4 Wide-band Characteristic

Customer Name	**Standard**	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	DCS-Rx (unbalance)	Date	March 31, 2010
Part Number	FAR-F6KA-1G8425-D4CK	Version 3.0c	

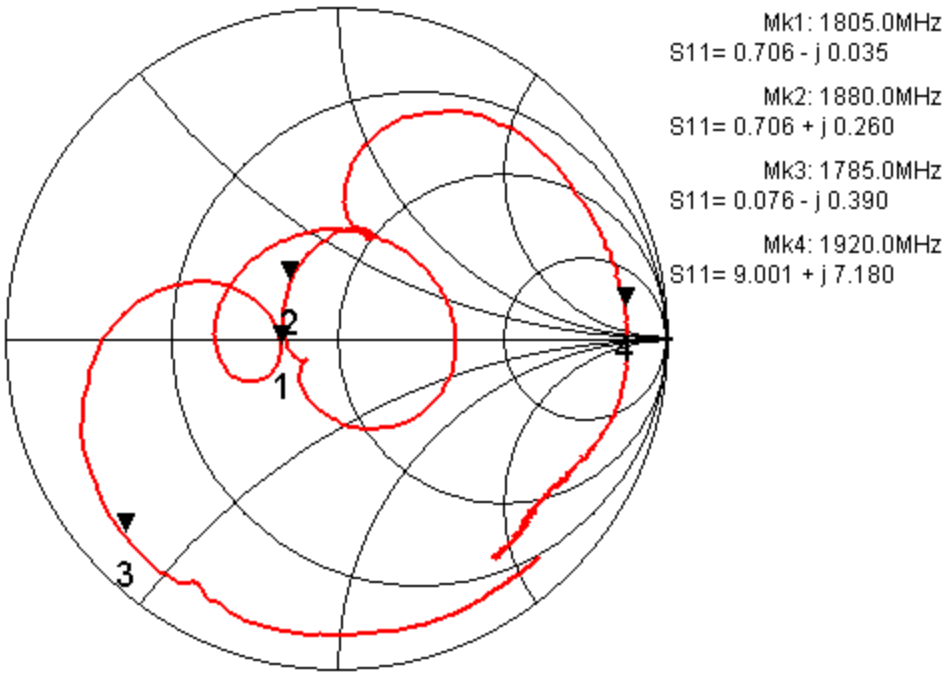


Fig.5 Input Impedance

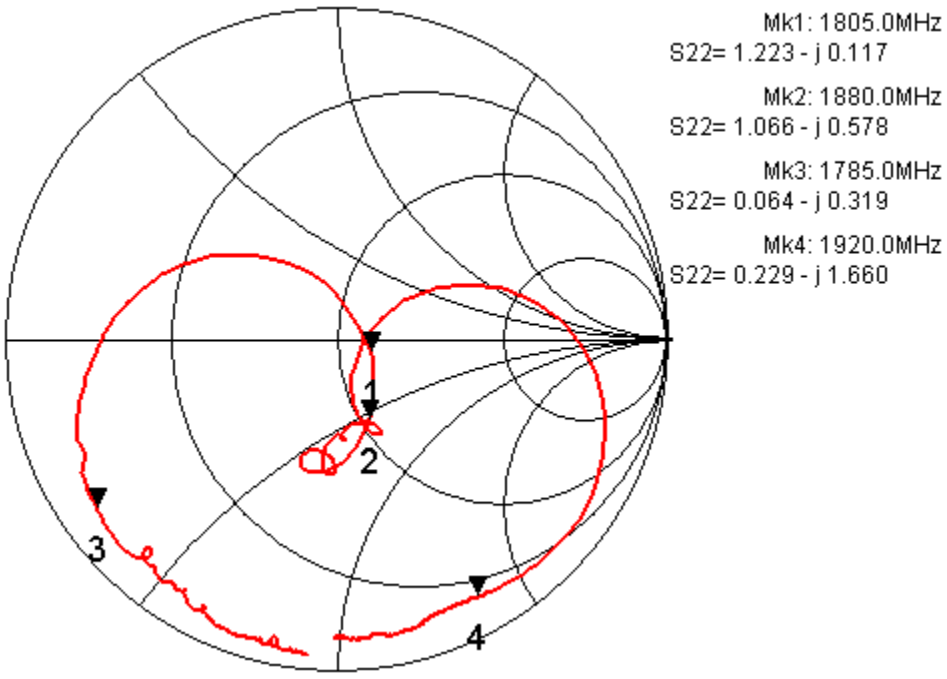


Fig.6 Output Impedance