

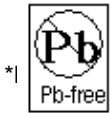


MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	ISM900 (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F5QA-915M00-M2AK	Version 2.0 b	

**Table 1.Electrical specifications**

Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	902-928	-	1.8	2.2	dB	
Ripple	902-928	-	0.6	1.2	dB	
Return Loss	902-928	10	13	-	-	
Absolute attenuation	DC-702	49	57	-	dB	
	738-764	47	55	-	dB	
	820-846	42	52	-	dB	
	990-1010	42	47	-	dB	
	1072-1092	44	52	-	dB	
	1128-1804	38	45	-	dB	
	1804-1856	36	45	-	dB	
	1856-3000	30	41	-	dB	
Grope delay Variation	902-928	-	30	60	ns	
PKG	-	1.1typ.x0.9typ.x0.5max			mm	
Operating temperature		-30 to +85			°C	

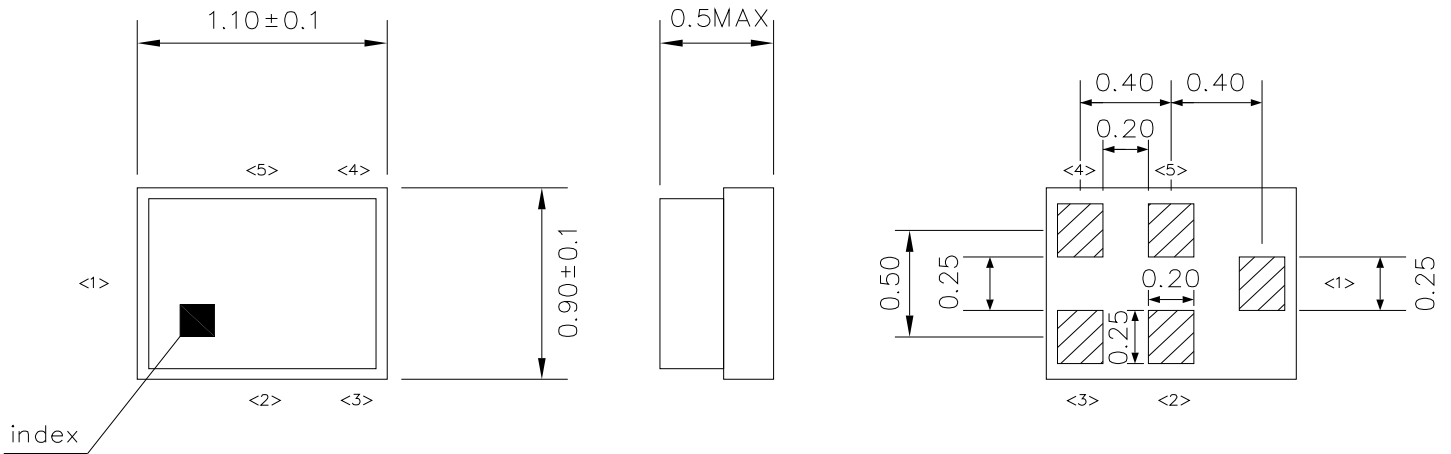


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**Dimensions**

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

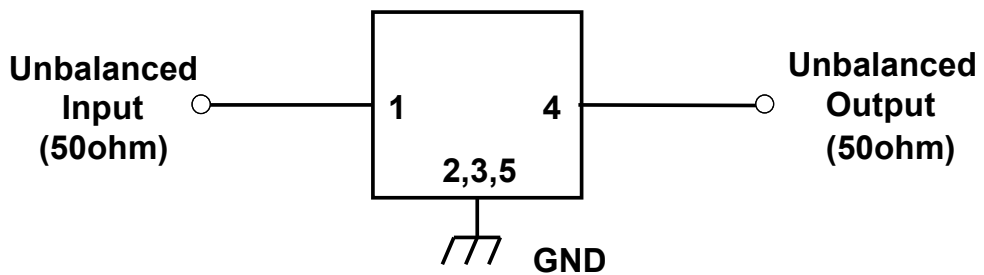


Unit : mm

**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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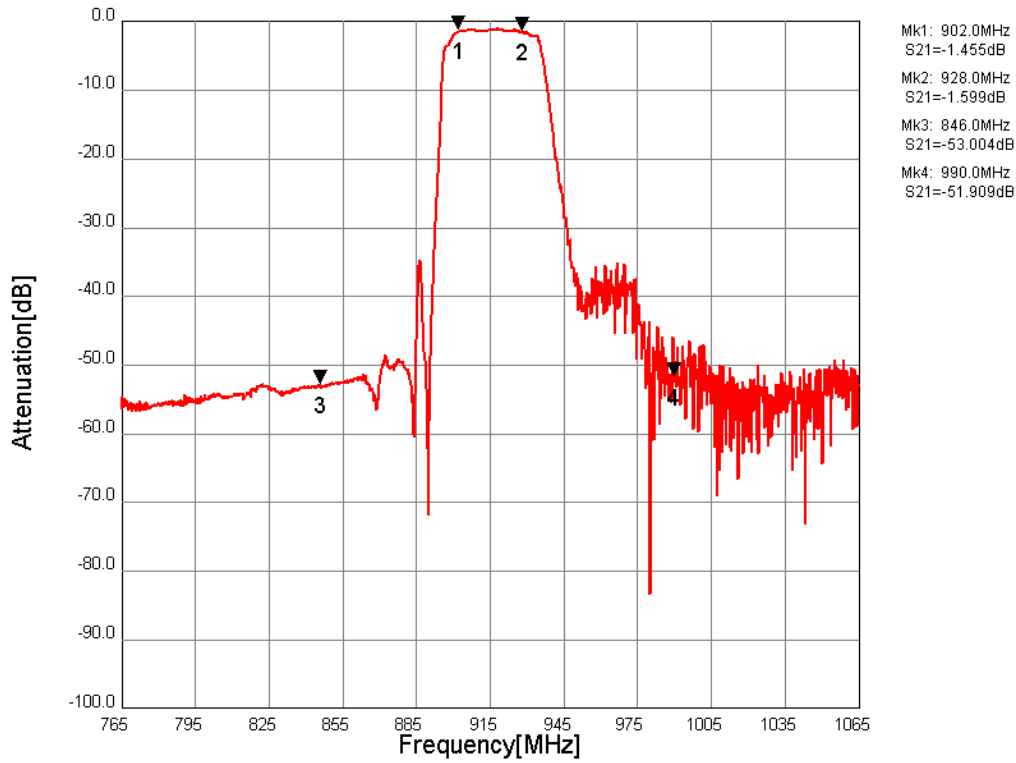


Fig.1 Pass-band Characteristic

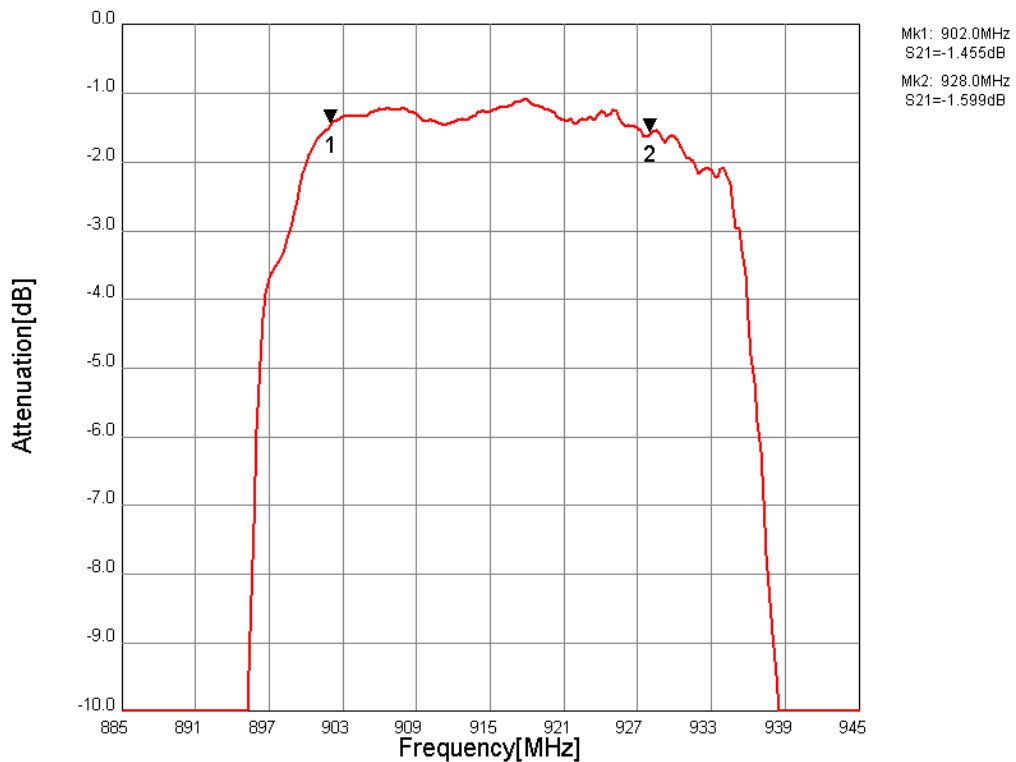


Fig.2 In-band Characteristic

**TAIYO YUDEN**



MSL1

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Part Number	FAR-F5QA-915M00-M2AK	Version 2.0 b	

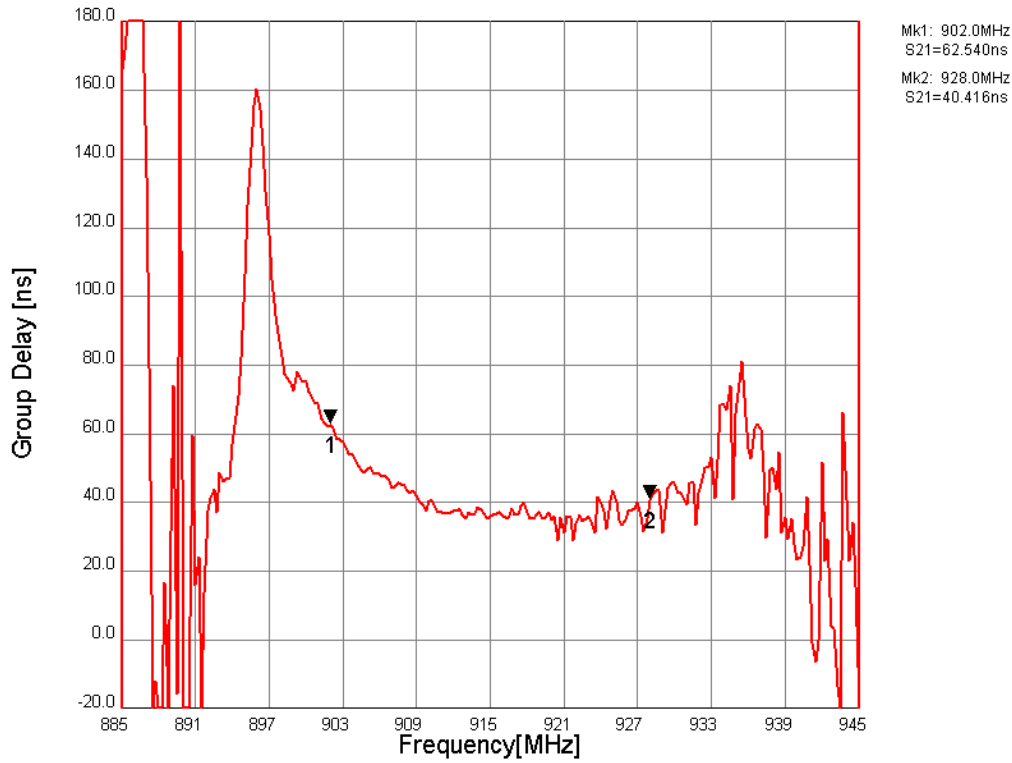


Fig.3 Group Delay

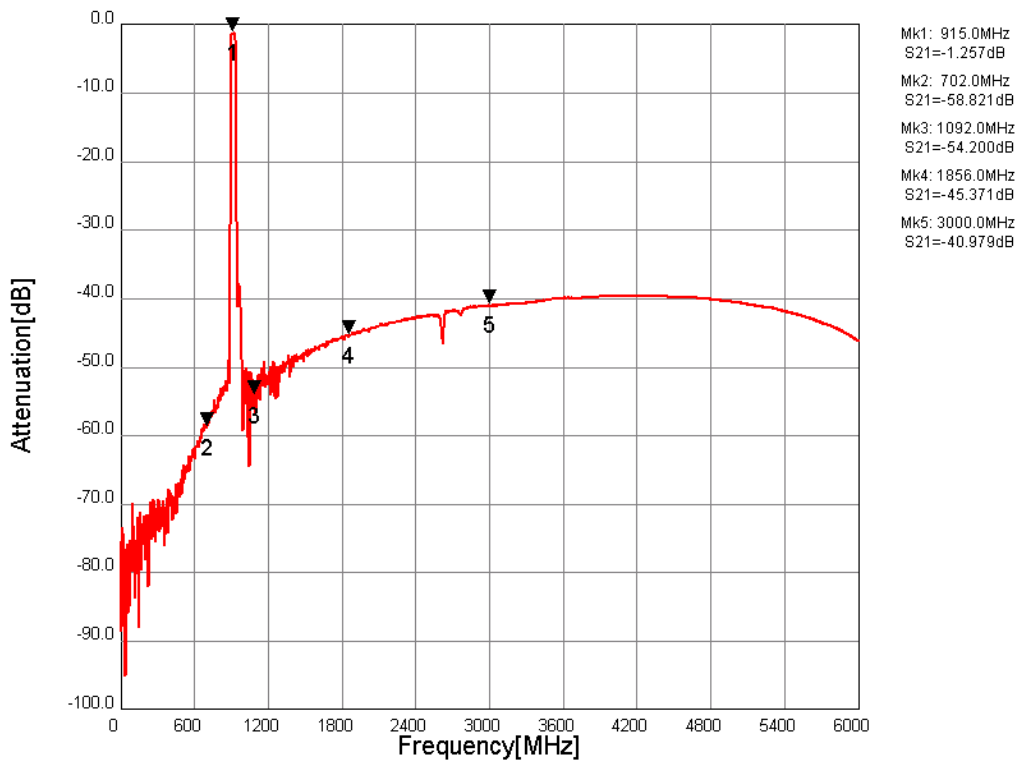
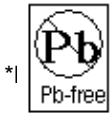


Fig.4 Wide-band Characteristic

**TAIYO YUDEN**



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	ISM900 (50/50ohm Unbalance)	Date	March 31, 2010
Part Number	FAR-F5QA-915M00-M2AK	Version 2.0 b	

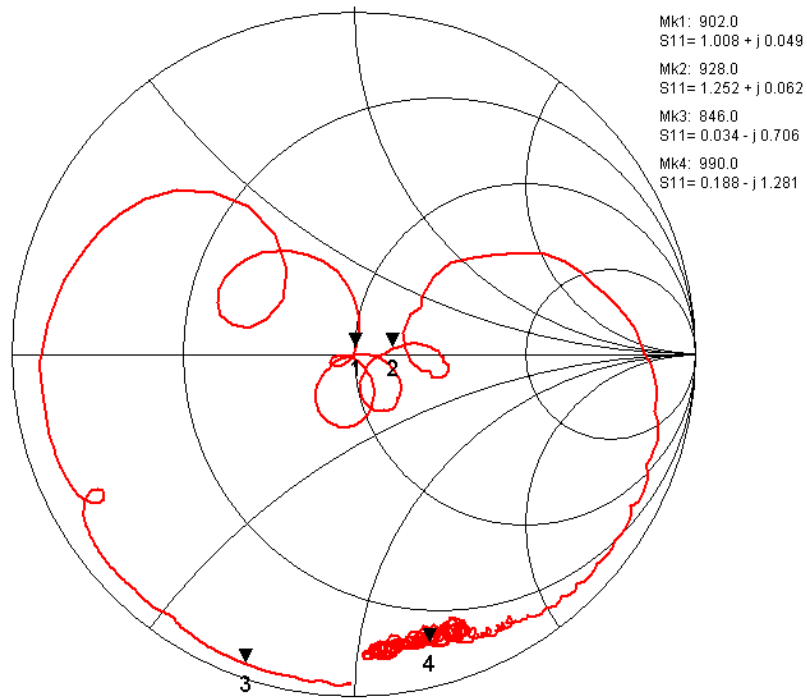


Fig.5 Impedance (S11)

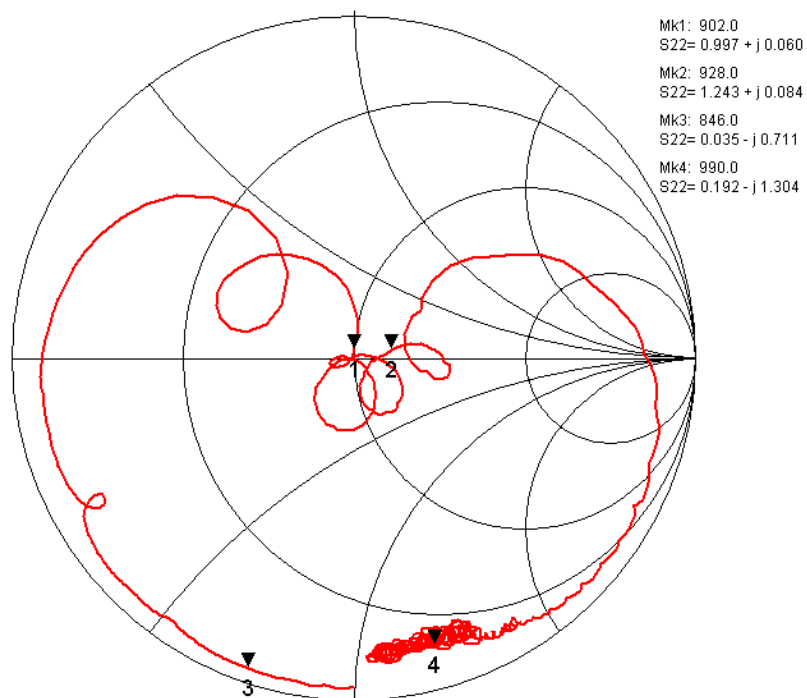
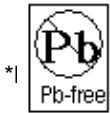


Fig.6 Impedance (S22)



MSL1

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
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Part Number	FAR-F5QA-915M00-M2AK	Version 2.0 b	

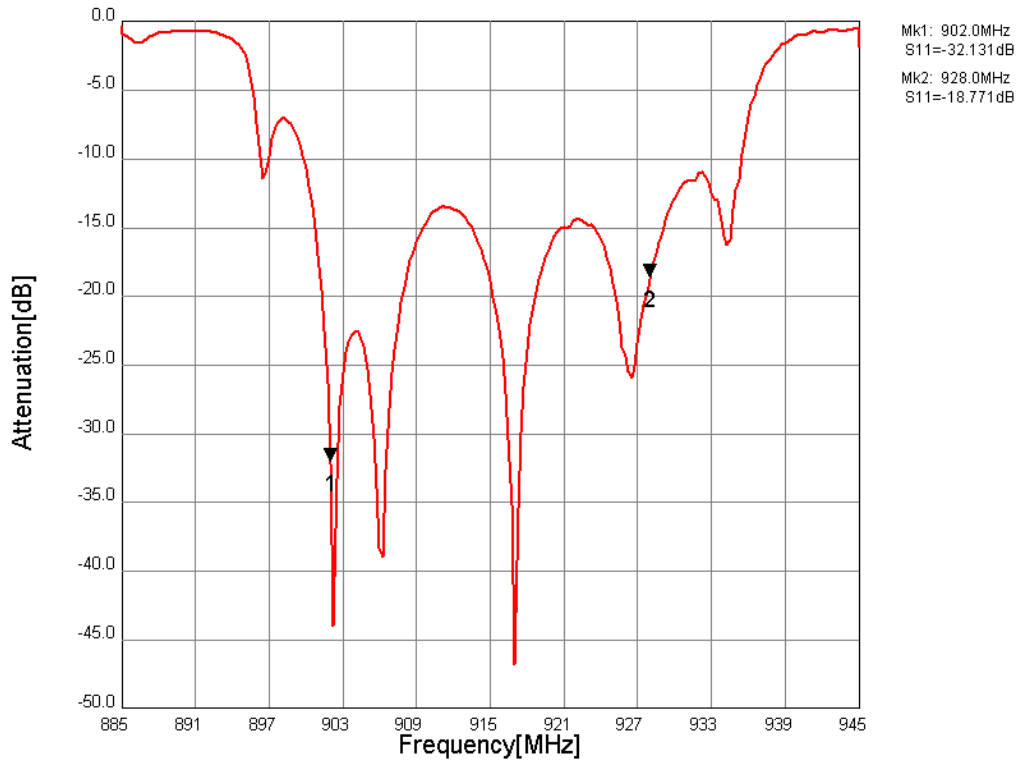


Fig.7 Return Loss(S11)

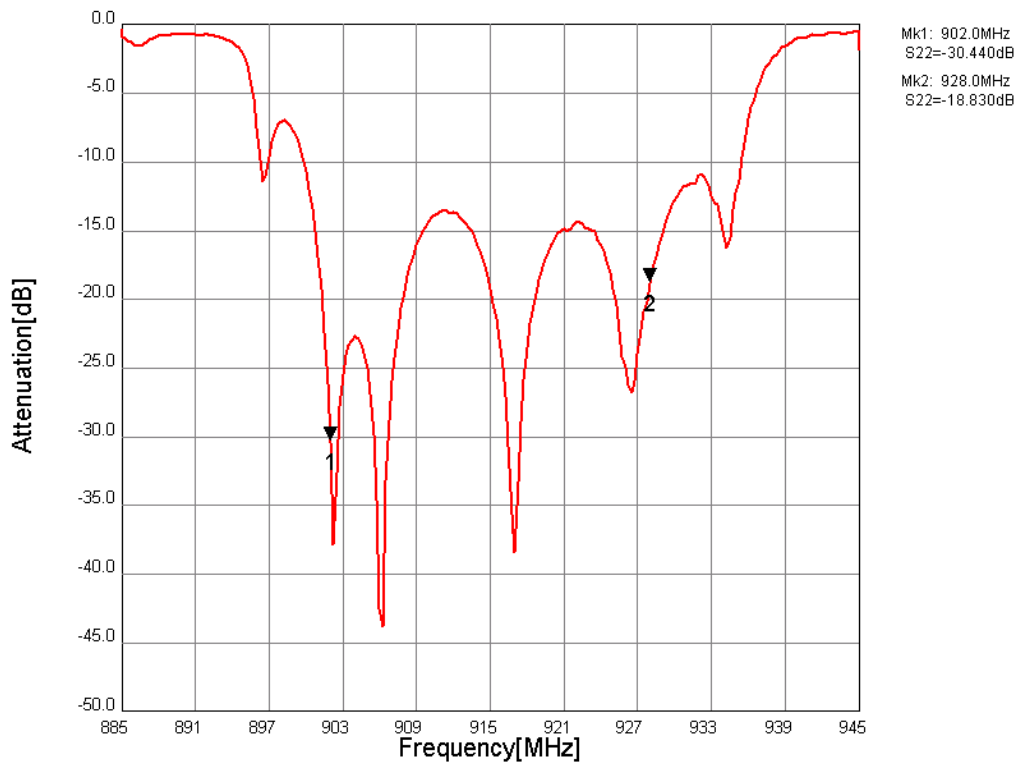


Fig.8 Return Loss(S22)