



MSL1

*Pb Free part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	Band 3 - Rx	DATE	Jan. 30, 2014
Part Number	F6QA1G842M2AN	Version 4.0dA	Final

Table1. Electrical specifications

Passband:1805~1880MHz						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss(*1)	1805 – 1880	-	2.0	4.0	dB	
Ripple	1805 – 1880	-	1.3	3.3	dB	
VSWR (Input)	1805 – 1880	-	1.9	2.3	-	
VSWR (Output)	1805 – 1880	-	1.8	2.2	-	
Absolute attenuation	DC-960	34	37	-	dB	
	1558-1608	35	41	-	dB	
	1710-1785	34	38	-	dB	
	1920-2400	25	35	-	dB	
	2400-2500	33	44	-	dB	
	2500-3610	25	36	-	dB	
	3610-3760	25	36	-	dB	
	3760-5415	20	29	-	dB	
	5415-5640	20	29	-	dB	
	5640-7220	18	24	-	dB	
	7220-7520	16	24	-	dB	
7520-8000	14	22	-	dB		
Input impedance	50 // 33 nH			Ohms		
Output impedance	50 // 12 nH			Ohms		
Temperature range	-20 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.



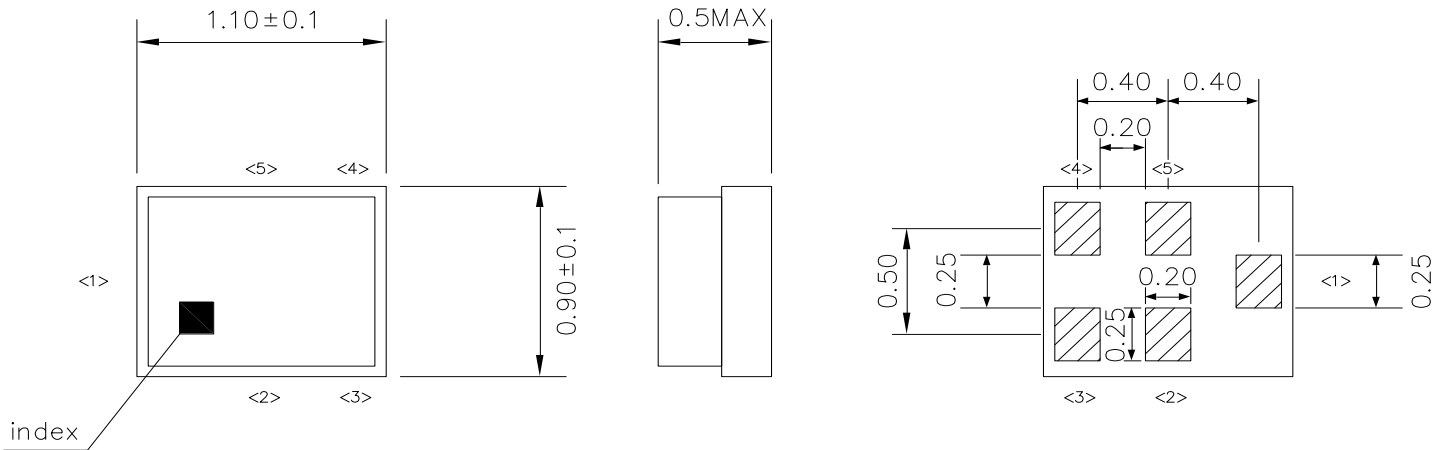
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Dimensions

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

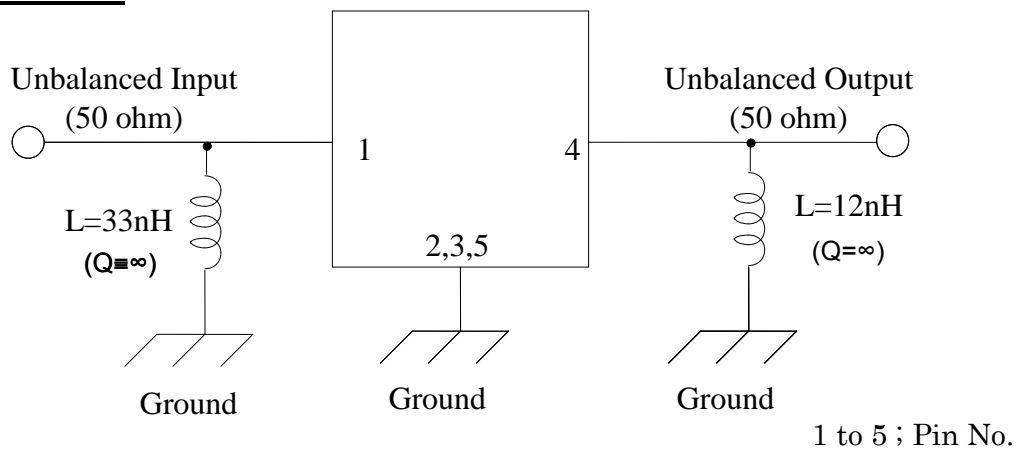


Unit : mm

Pin Configuration

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

Evaluation Circuit





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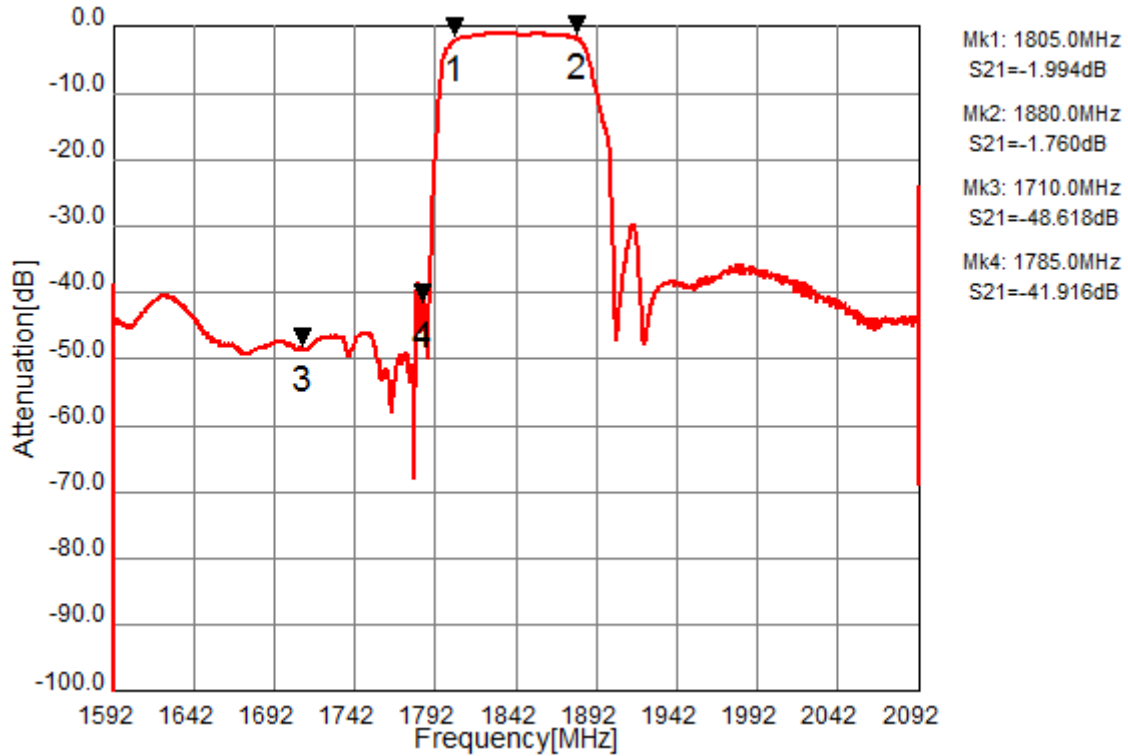


Fig.1 Pass-band Characteristics

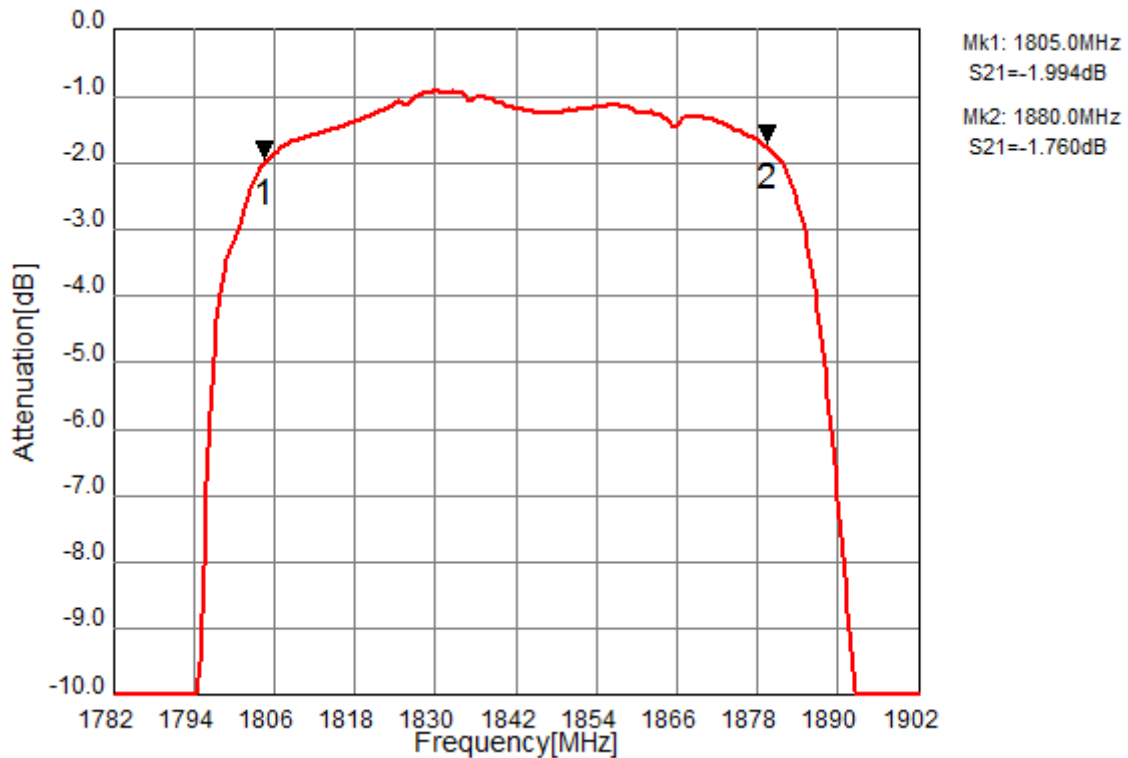


Fig.2 In-band Characteristics



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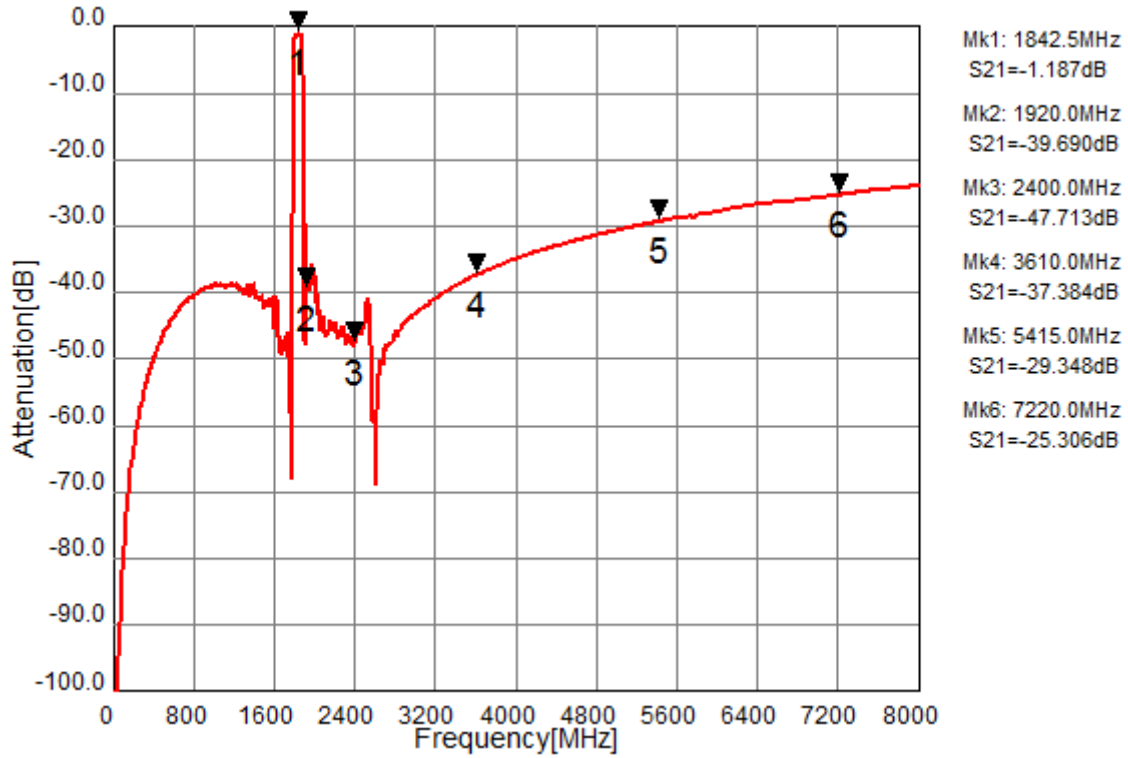


Fig.3 Wide-band Characteristics



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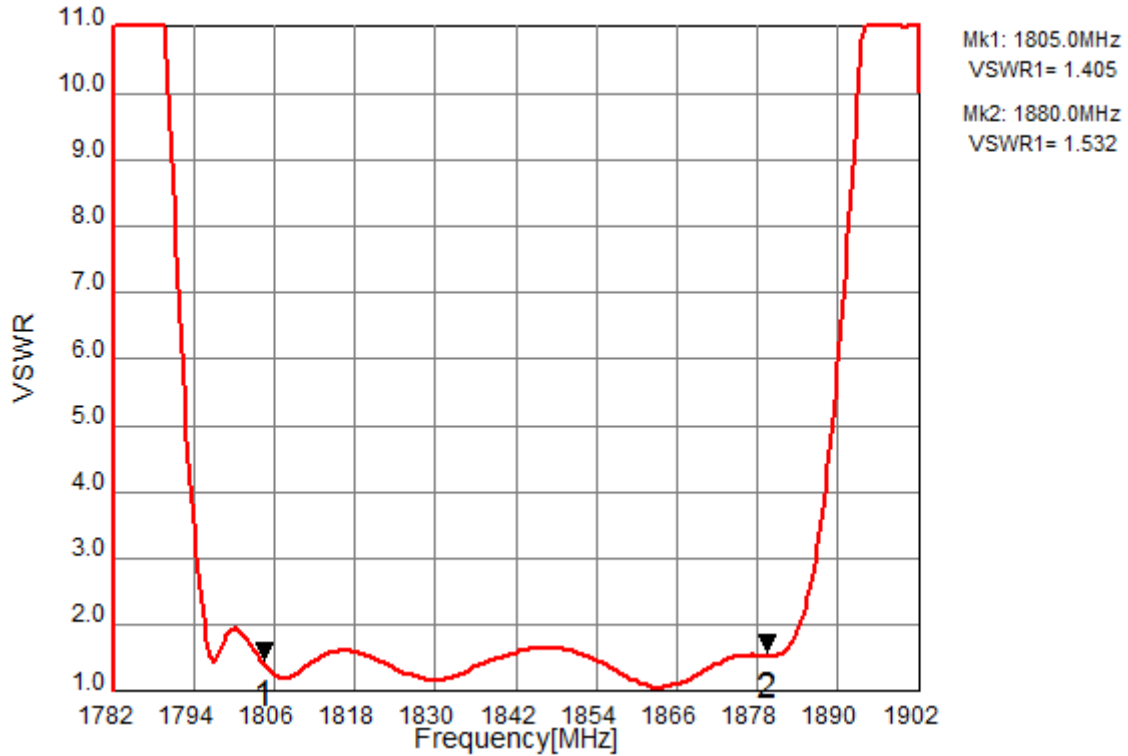


Fig.4 Input VSWR

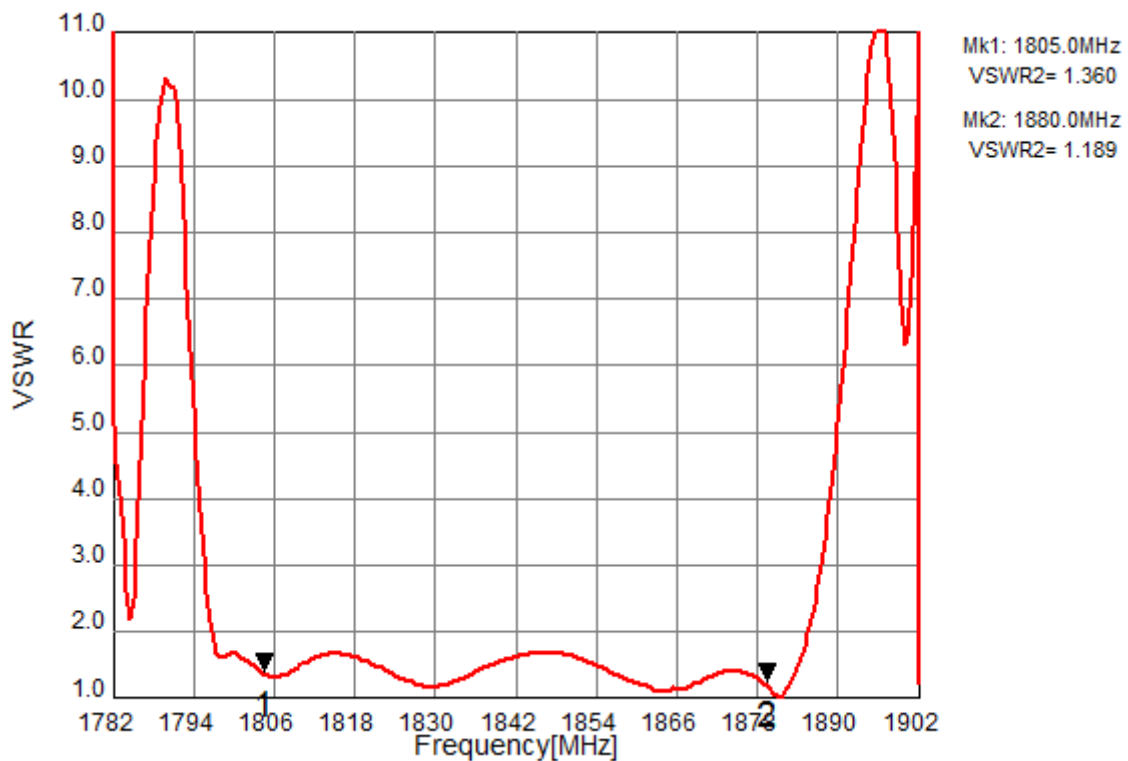


Fig.5 Output VSWR



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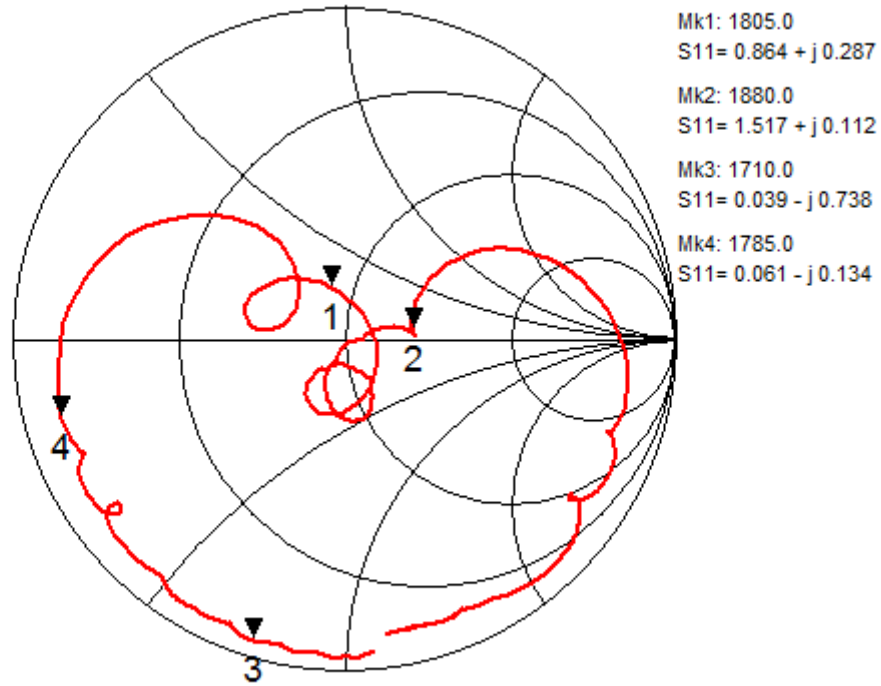


Fig.6 Input Impedance

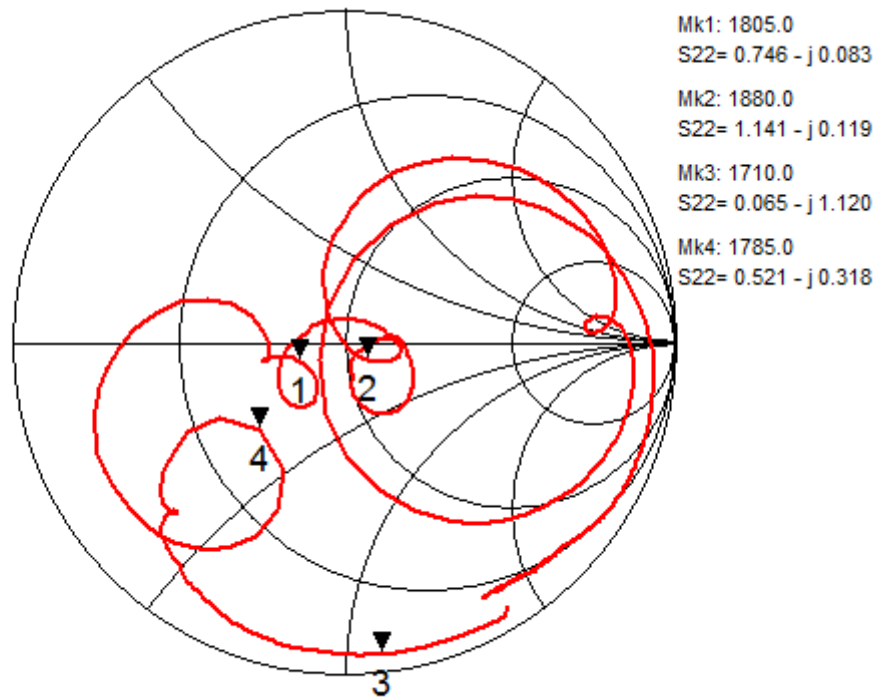


Fig.7 Output Impedance



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Ordering Code

Ordering Code	Packing	Reel size	Status
F6QA1G842M2AN-J	Tape & Reel	5,000 pcs.	MP
F6QA1G842M2AN-JA	Tape & Reel	less than 5,000 pcs.	MP
F6QA1G842M2AN-Y	Tape & Reel	15,000 pcs.	MP
F6QA1G842M2AN-YA	Tape & Reel	less than 15,000pcs	MP
F6QA1G842M2AN-Q	Bulk	few pcs.	MP

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

*MP : Mass Production

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