



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 12 Rx (50/100ohm)	Date	May. 23, 2014
Part Number	F5QG737M5P2KK	Version 1.0a	Final

Table 1 Electrical Specifications

Passband: 729 ~ 746 MHz							
Item	Condition (MHz)	Specification			Unit	Remarks	
		Min.	Typ.	Max.			
Insertion Loss	729~746	-	1.6	2.5	dB	(*1)	
Ripple	729~746	-	0.5	1.5	dB		
VSWR	Input	729~746	-	1.8	2.1	-	
	Output		-	1.8	2.1	-	
Absolute Attenuation	10~698	40	59	-	dB		
	699~716	48	55	-	dB		
	791~4000	35	45	-	dB		
	4000~6000	30	48	-	dB		
Amplitude Balance S21/S31	729~746	-1	-0.1/0.2	1	dB		
Phase Balance (ϕ S21- ϕ S31)+180	729~746	-10	-1/1	10	deg.		
Input Impedance		50			ohm	Unbalanced	
Output Impedance		100			ohm	Balanced	
Operating Temperature		-30 to +85			°C		

(*1) Specification of insertion loss includes loss that comes from the test board.(0.05dB)



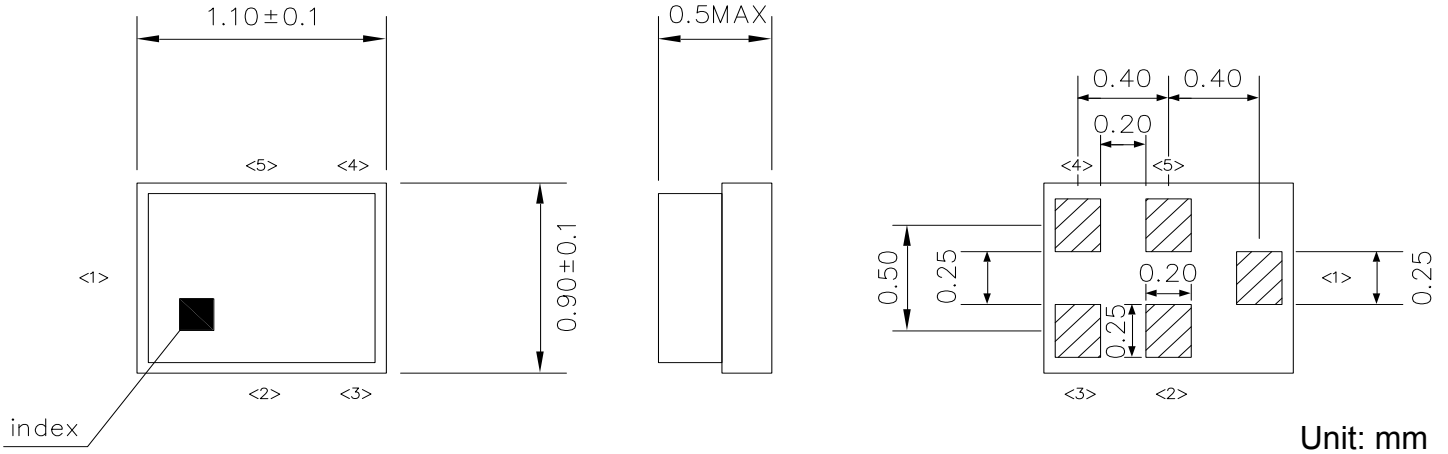
MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 12 Rx (50/100ohm)	Date	May. 23, 2014
Part Number	F5QG737M5P2KK	Version 1.0a	Final

Dimensions

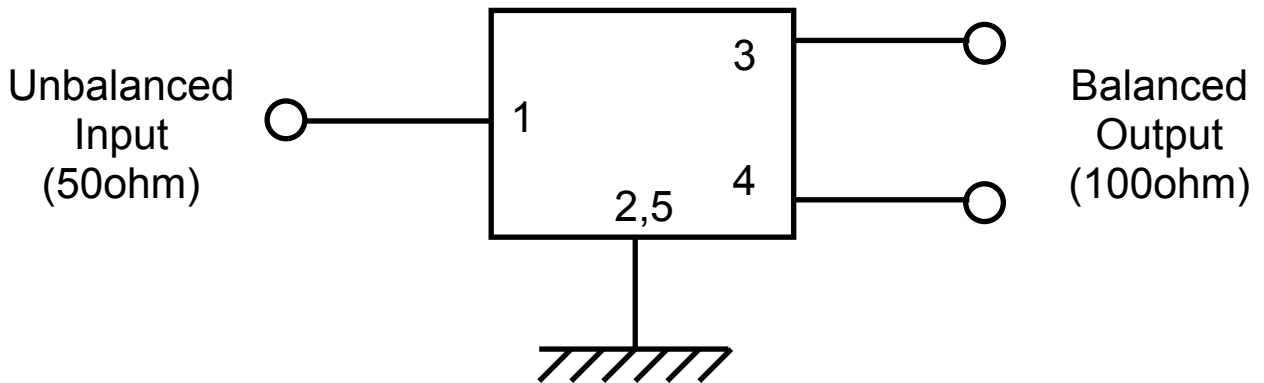
Device size: 1.1typ. x 0.9typ. x 0.5max.



Pin Configuration

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

Evaluation Condition





MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 12 Rx (50/100ohm)	Date	May. 23, 2014
Part Number	F5QG737M5P2KK	Version 1.0a	Final

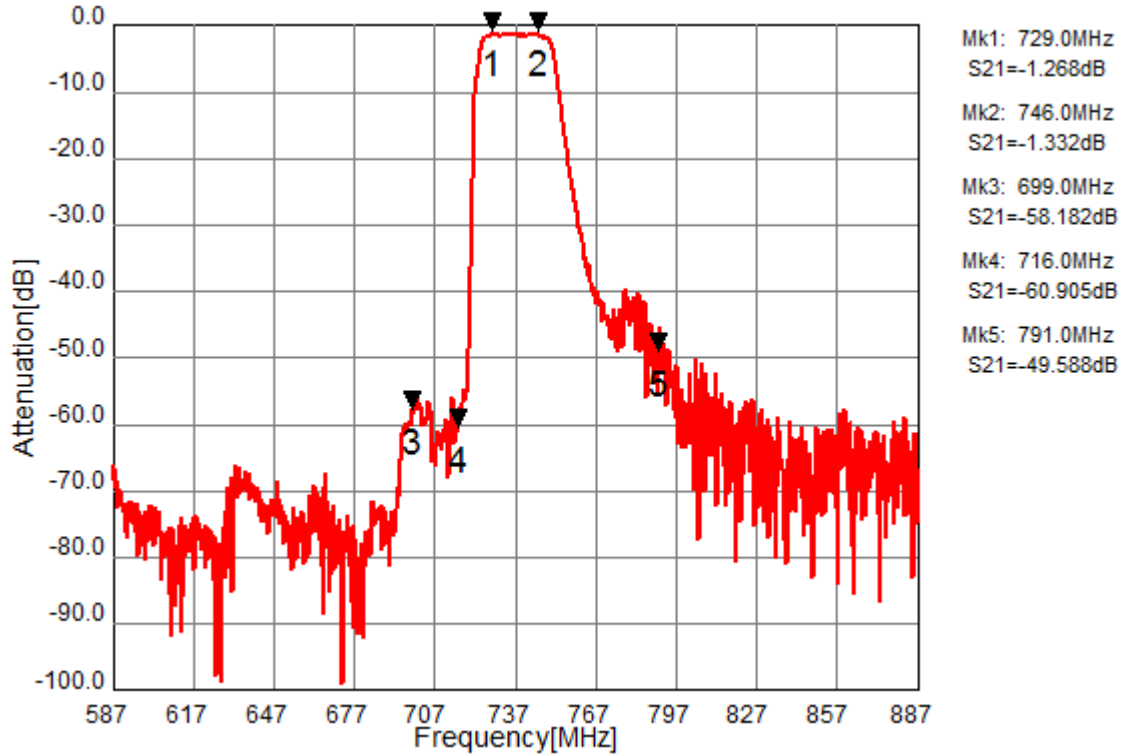


Fig.1 Pass-band Characteristic

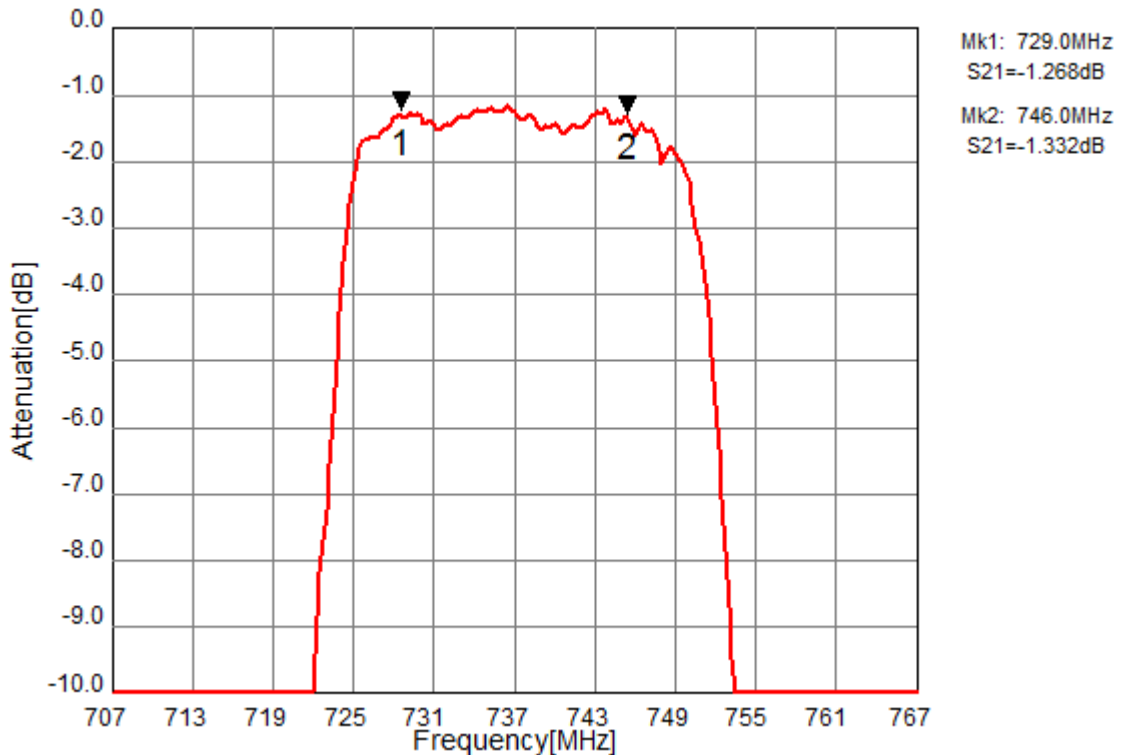


Fig.2 In-band Characteristic



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 12 Rx (50/100ohm)	Date	May. 23, 2014
Part Number	F5QG737M5P2KK	Version 1.0a	Final

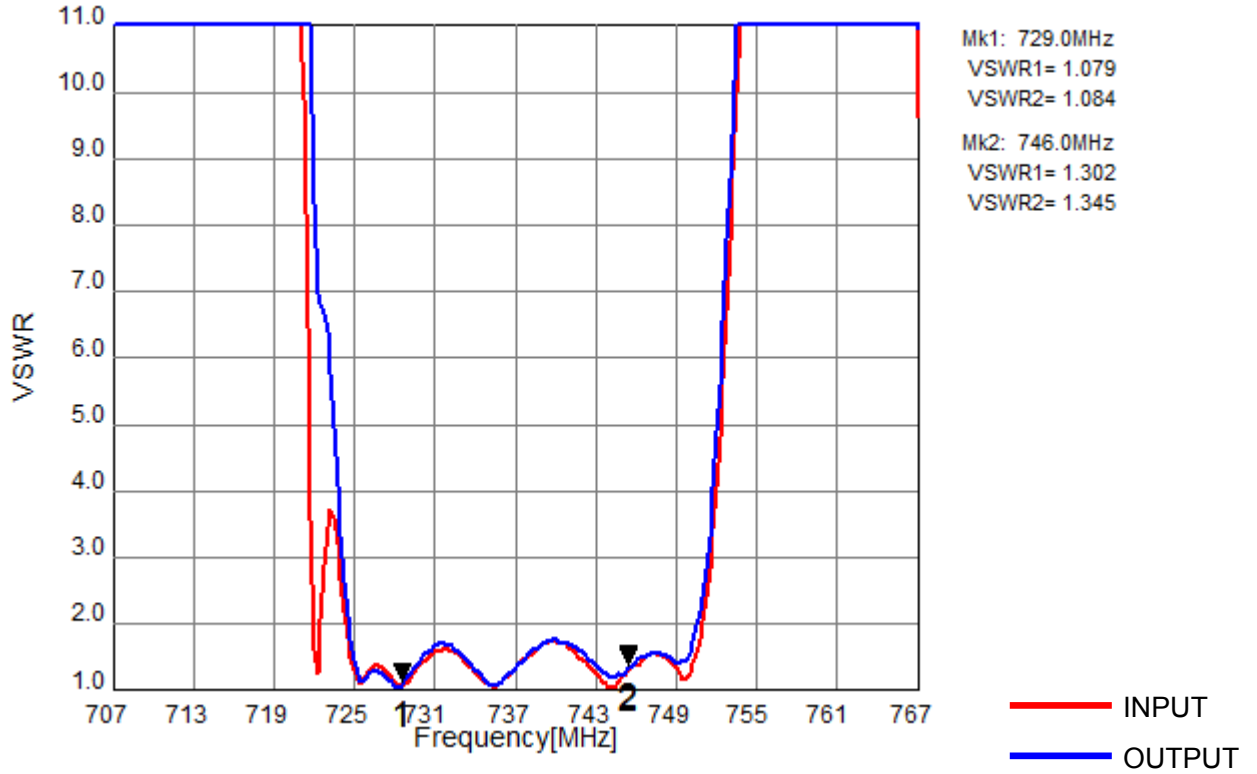


Fig.3 VSWR

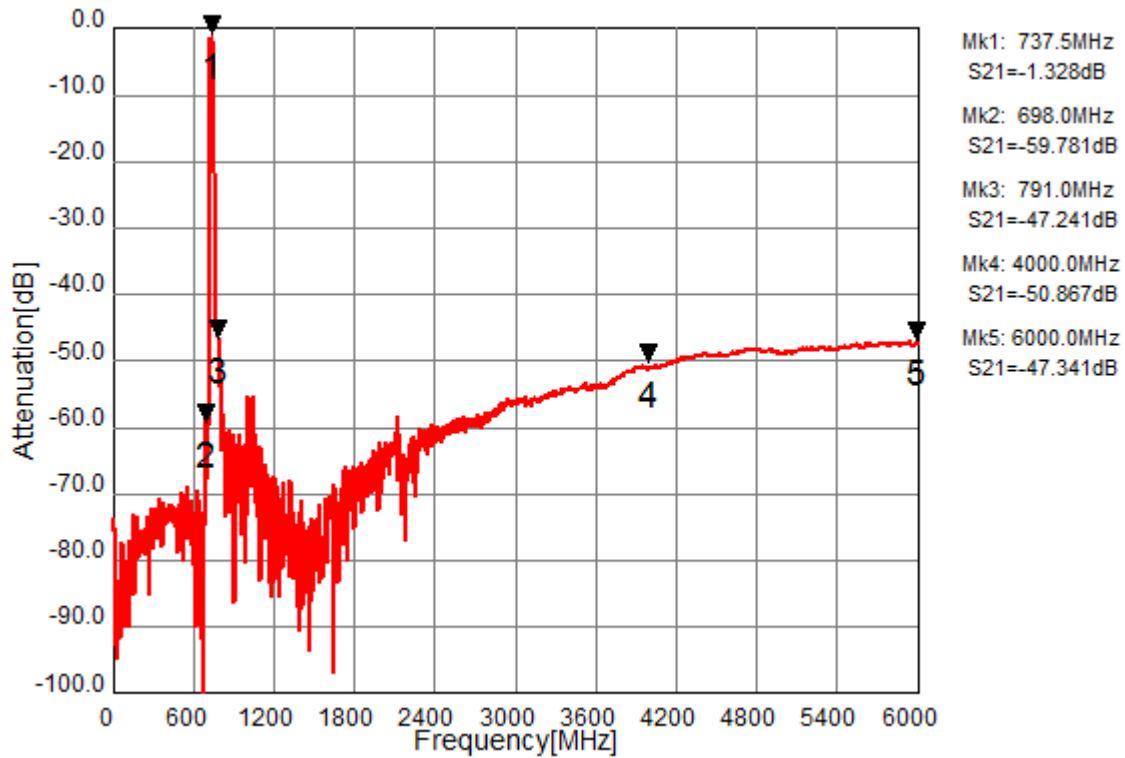


Fig.4 Wide-band Characteristic



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 12 Rx (50/100ohm)	Date	May. 23, 2014
Part Number	F5QG737M5P2KK	Version 1.0a	Final

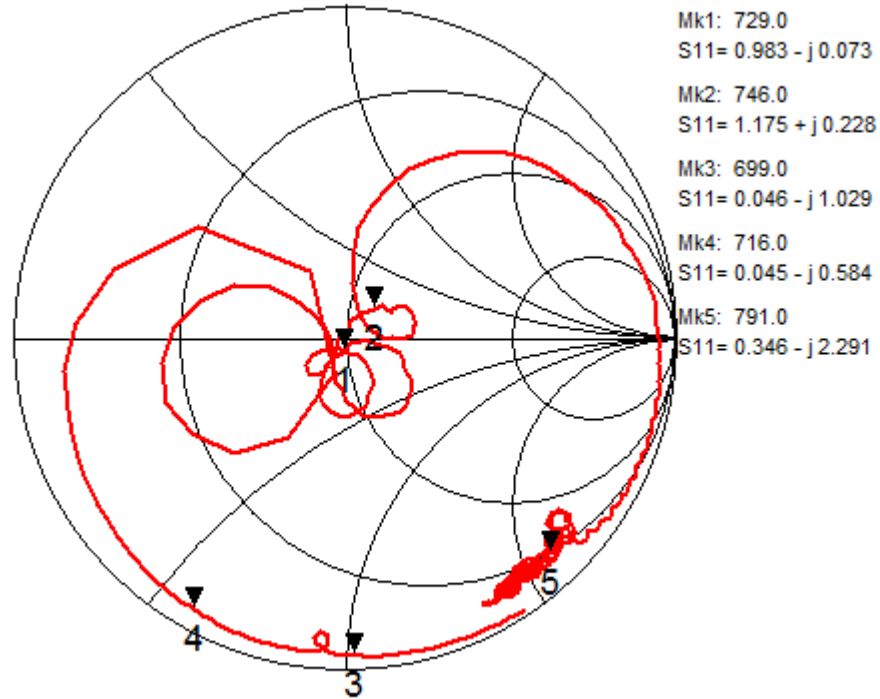


Fig.5 Impedance (INPUT)

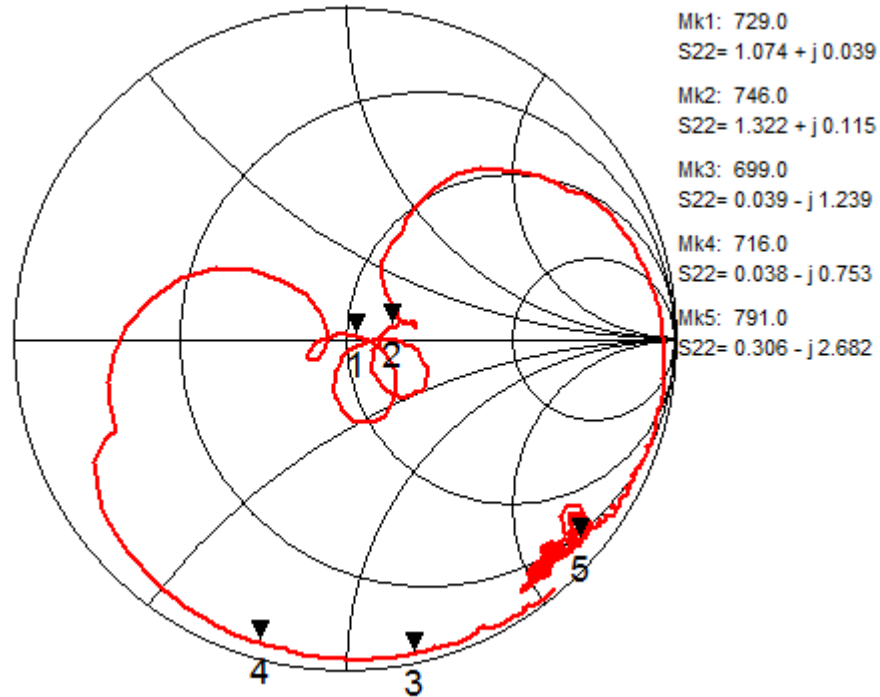


Fig.6 Impedance (OUTPUT)



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 12 Rx (50/100ohm)	Date	May. 23, 2014
Part Number	F5QG737M5P2KK	Version 1.0a	Final

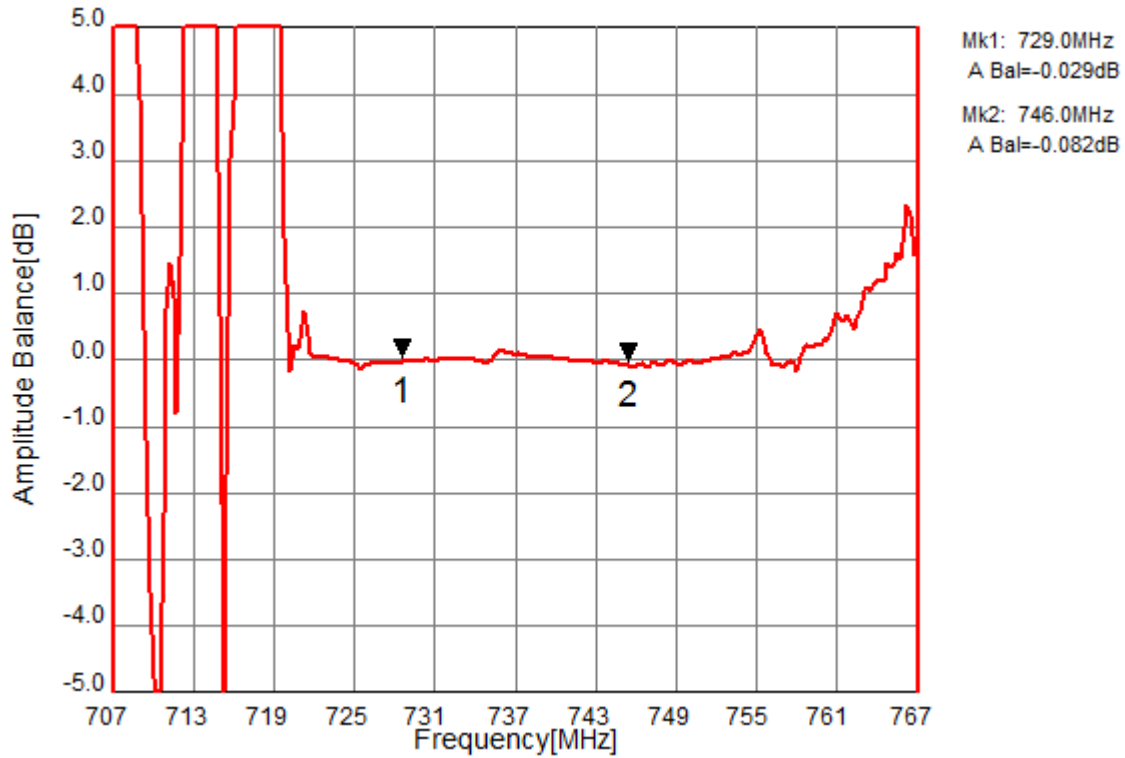


Fig.7 Amplitude Balance

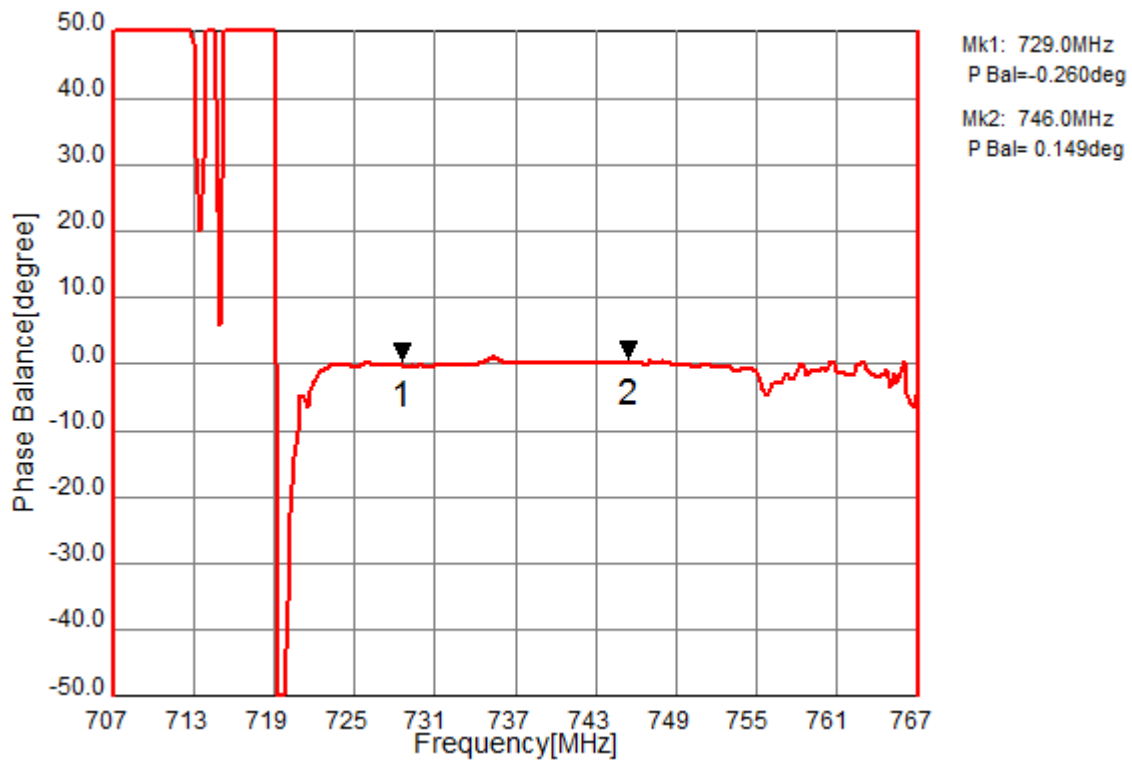


Fig.8 Phase Balance

TAIYO YUDEN



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 12 Rx (50/100ohm)	Date	May. 23, 2014
Part Number	F5QG737M5P2KK	Version 1.0a	Final

Ordering Code

Ordering Code	Packing	Reel size	Status
F5QG737M5P2KK-J	Tape & Reel	5,000pcs.	MP
F5QG737M5P2KK-JA	Tape & Reel	less than 5,000 pcs.	MP
F5QG737M5P2KK-Y	Tape & Reel	15,000pcs	MP
F5QG737M5P2KK-YA	Tape & Reel	less than 15,000pcs	MP
F5QG737M5P2KK-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.

This product is for general electronics equipment such as Audio-Visual equipment, household electronics, office supplies, information services and telecommunications; therefore, in case this product is used for any medical equipment, space equipment, nuclear equipment or disaster prevention equipment, please contact TAIYO YUDEN in advance.

In case this product is used for general electronics equipment or circuits which require high safety and high reliability, thoroughly evaluate on safety and add a protection circuit if necessary.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Taiyo Yuden:](#)

[F5QG737M5P2KK-J](#)