



MSL1

* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 13C Tx	DATE	May 11, 2010
Part Number	FAR-F5KA-782M00-D4VP	Version 2.1b	

Table 1 Electrical Specification

Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	777-787MHz	-	1.5	2.0	dB	
Ripple	777-787MHz	-	0.5	1.0	dB	
VSWR	Input(S11)	-	1.5	2.0	-	
	Output(S22)	-	1.5	2.0	-	
Attenuation	10-716MHz	45	60	-	dB	
	716-728MHz	45	60	-	dB	
	728-746MHz	45	55	-	dB	
	746-756MHz	45	55	-	dB	
	758-768MHz	-	3	-	dB	Not specified
	768-775MHz	-	1	-	dB	Not specified
	793-805MHz	-	1	-	dB	Not specified
	808-818MHz	25	32	-	dB	
	869-894MHz	45	55	-	dB	
	1554-1565MHz	45	60	-	dB	
	1565-1585MHz	45	60	-	dB	
	1597-1607MHz	45	60	-	dB	
	1805-1880MHz	45	60	-	dB	
	1930-1990MHz	45	55	-	dB	
	2110-2170MHz	35	55	-	dB	
	2331-2361MHz	45	50	-	dB	
	2400-2484MHz	35	50	-	dB	
	2484-3000MHz	30	50	-	dB	
	3000-3108MHz	20	55	-	dB	
3108-3148MHz	20	55	-	dB		
3148-4000MHz	20	40	-	dB		
4000-5000MHz	15	30	-	dB		
5000-6000MHz	5	20	-	dB		
Terminating Impedance	Input(S11)	50			Ohm	Single-ended
	Output(S22)	50			Ohm	Single-ended
Operating Temperature		-30 to +85			°C	

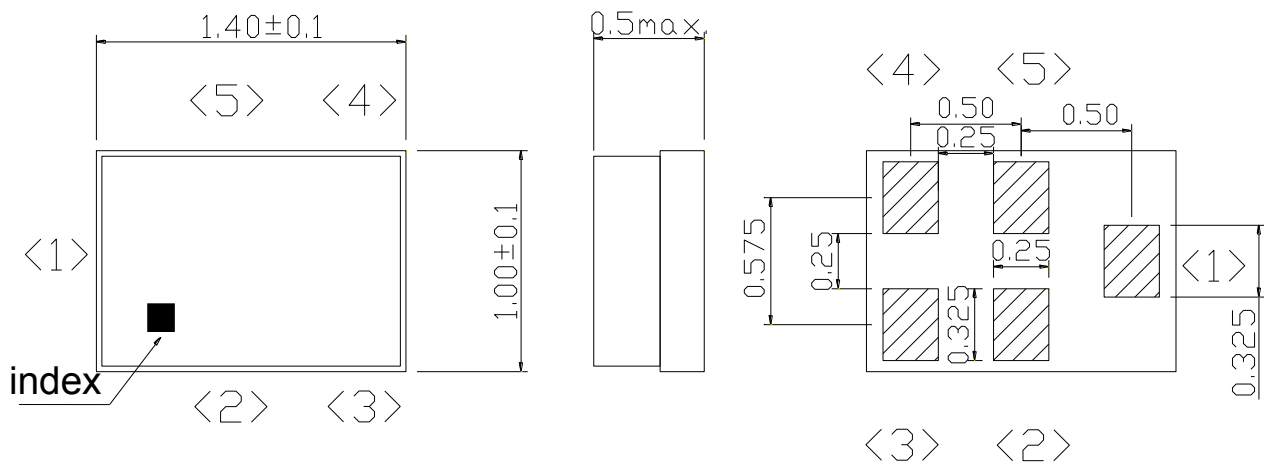


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Dimensions

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

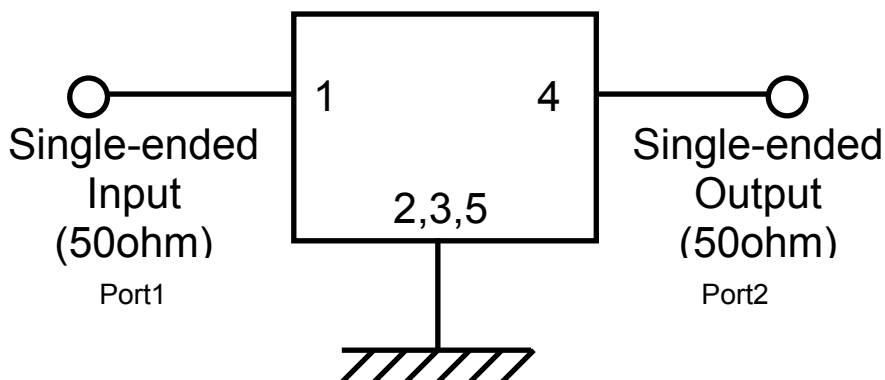


Unit: mm

Pin Configuration

Pin No.	Symbol	Function
1	IN	Single-ended pin
2	GND	Ground
3	GND	Ground
4	OUT	Single-ended pin
5	GND	Ground

Evaluation Condition





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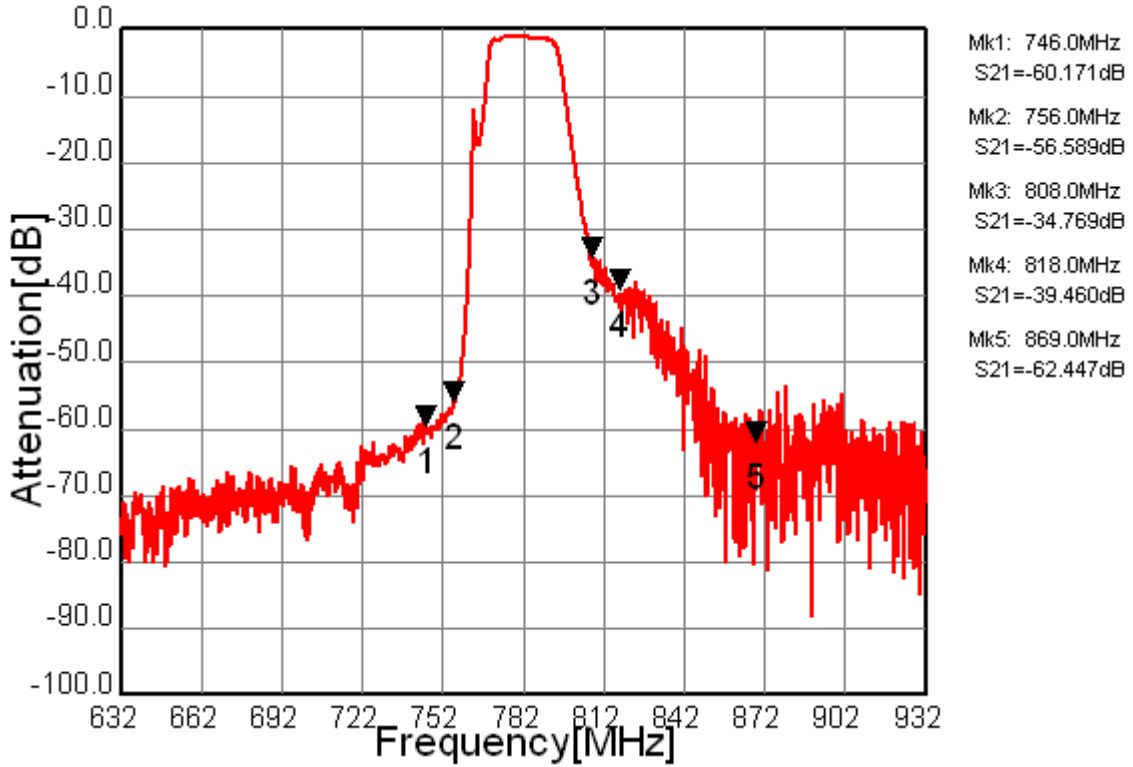


Fig.1 Pass-band Characteristic

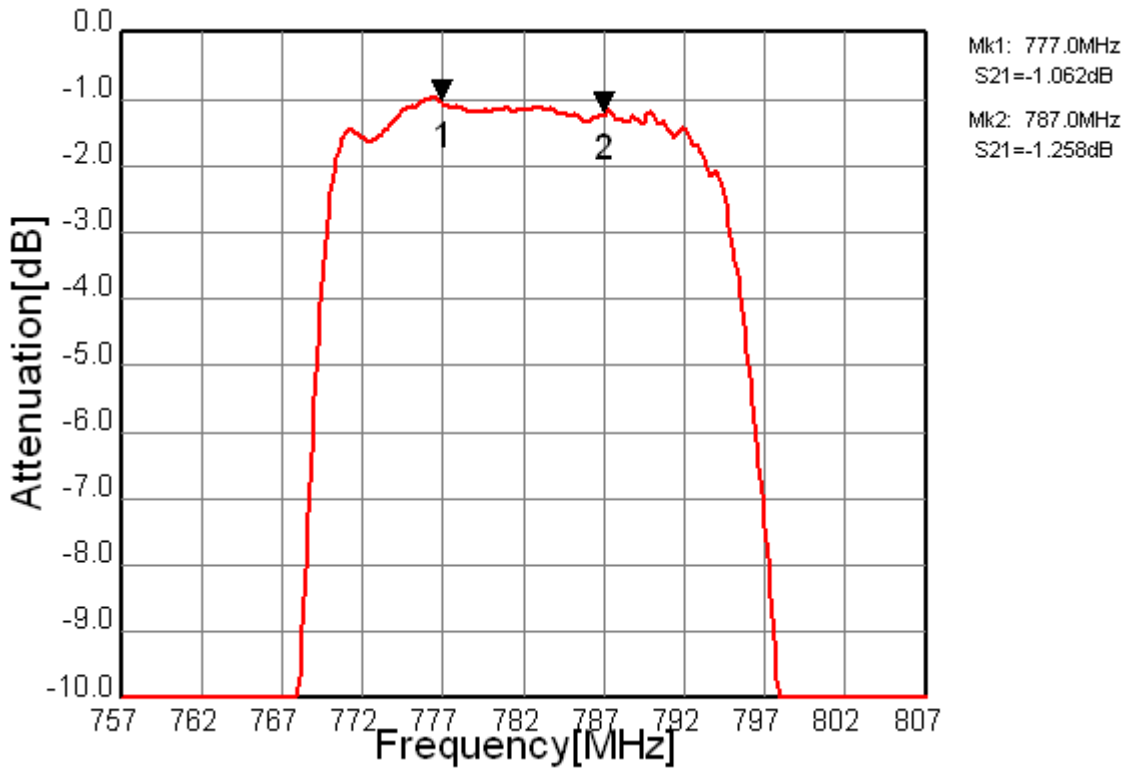


Fig.2 In-band Characteristic



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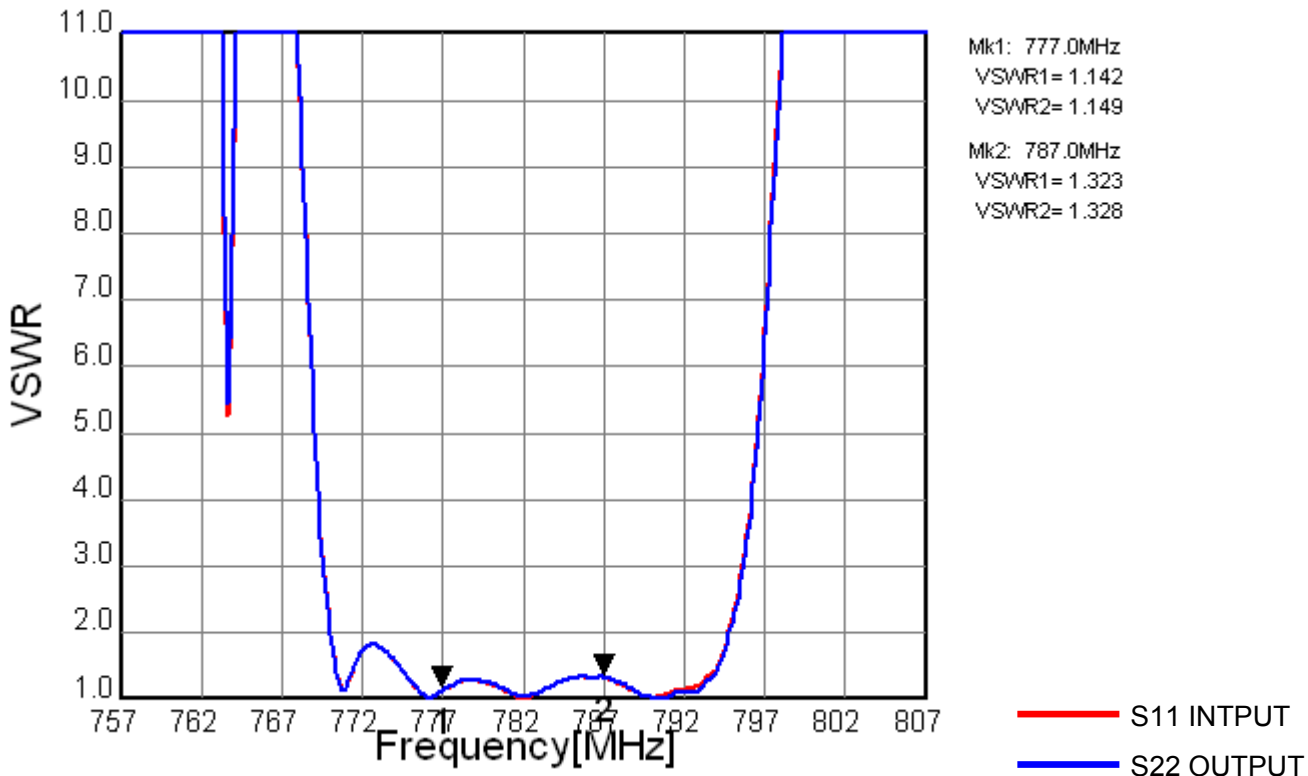


Fig.3 VSWR

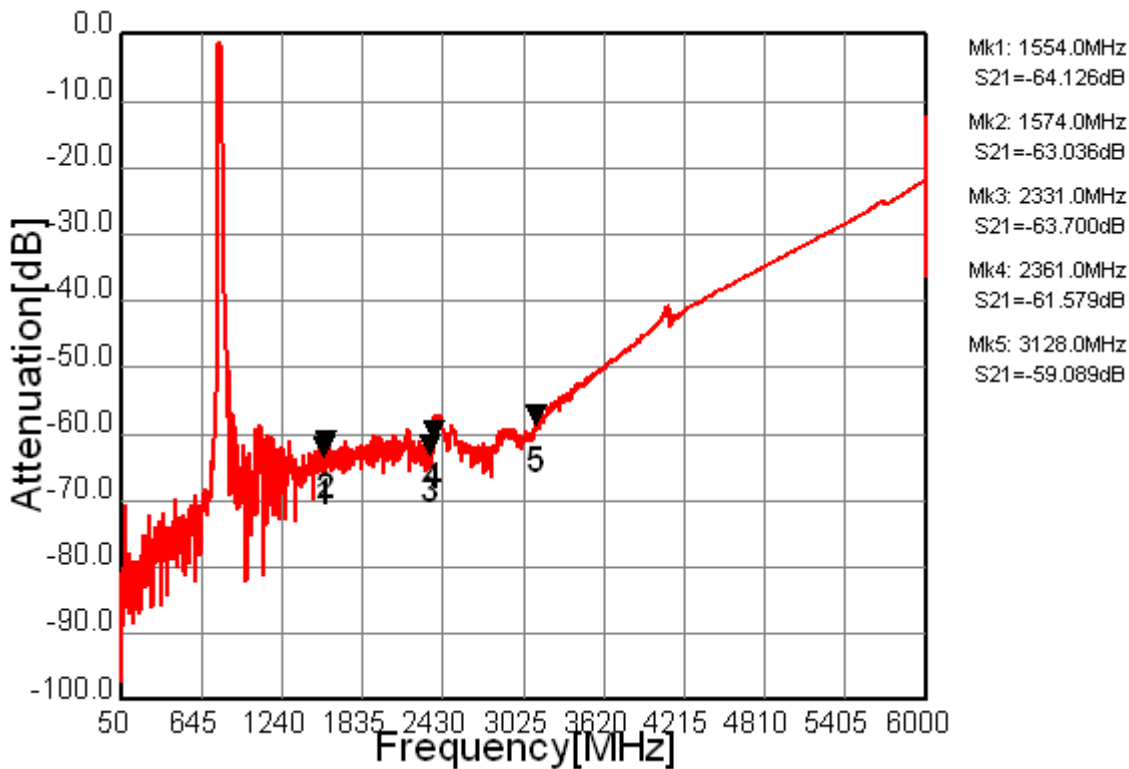


Fig.4 Wide-band Characteristic



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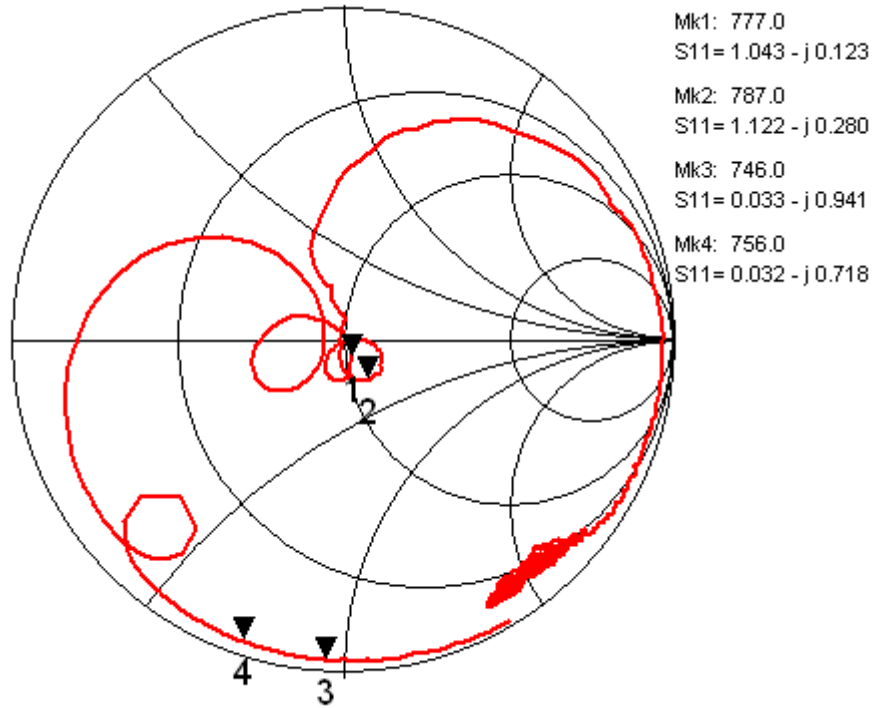


Fig.5 Impedance (INPUT)

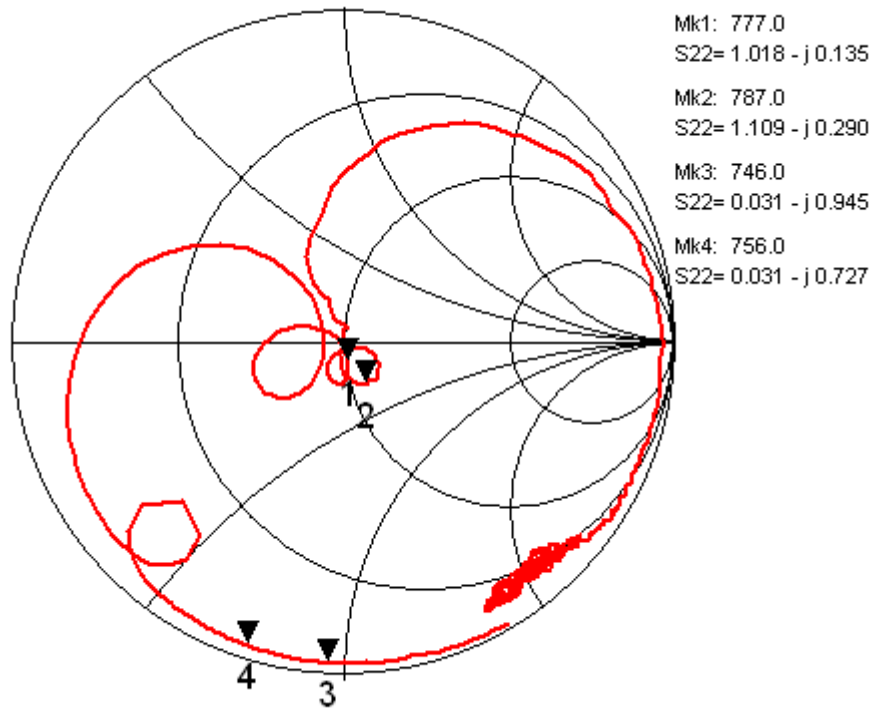


Fig.6 Impedance (OUTPUT)

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