



MSL1

\* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	W-CDMA IX (1.7G) Tx	Date	March 31, 2010
Part Number	FAR-F6KA-1G7675-D4CT	Version 1.0a	

**Table 1 Electrical Specification****Pass Band (1749.9 ~1785 MHz)**

Item	Condition	Value			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1749.9-1785 MHz	-	1.8	2.4	dB	
Ripple	1749.9-1785 MHz	-	0.5	1.0	dB	
Absolute attenuation	DC-1577MHz	32	40	-	dB	
	1844.9-1880MHz	27	31	-	dB	
	1920-1980MHz	32	40	-	dB	
	2110-2170 MHz	27	40	-	dB	
	3499-3570 MHz	20	30	-	dB	
	5249-5355 MHz	15	22	-	dB	
VSWR(S11)	1749.9-1785 MHz	-	1.9	2.4	-	
VSWR(S22)	1749.9-1785 MHz	-	1.8	2.4	-	
Input Power	-	TBD			dBm	Pass Band
In/Output impedance	-	50/50			ohm	
Operating temperature		-30 to +85			°C	
Device size (L x W x H)		1.4typ.x1.0typ.x0.5max.			mm	SMD



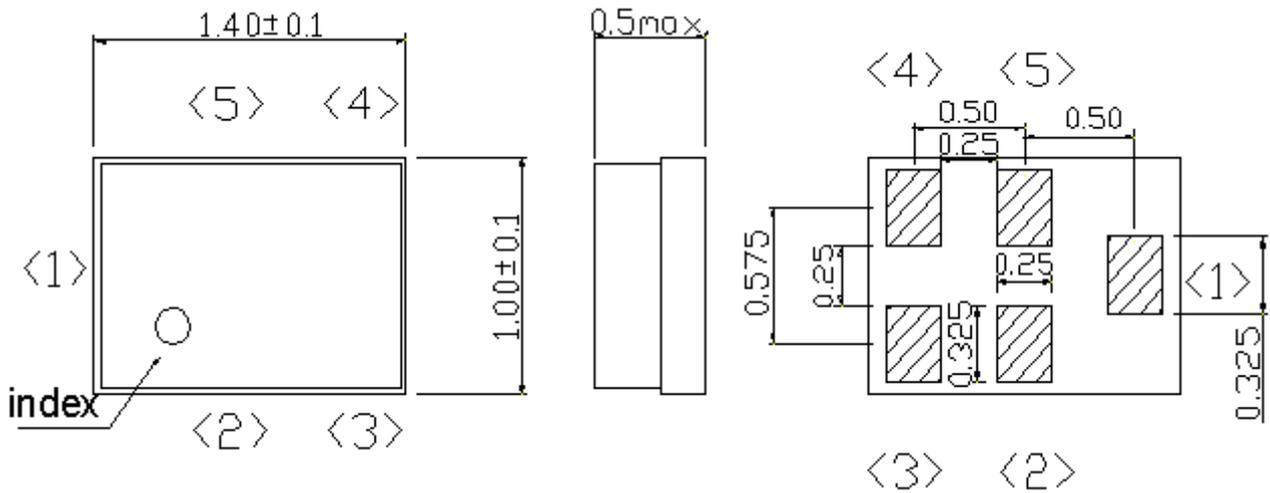
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### Dimensions

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

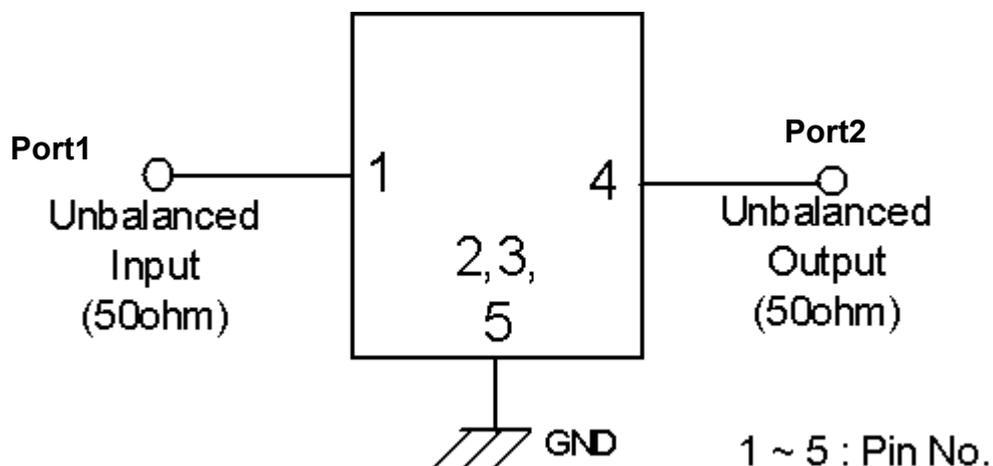


Unit: mm

### Pin Configuration

Pin No.	Pin name	Description
1	IN	Unbalanced pin
2	GND	Ground
3	GND	Ground
4	OUT	Unbalanced pin
5	GND	Ground

### Evaluation Circuit

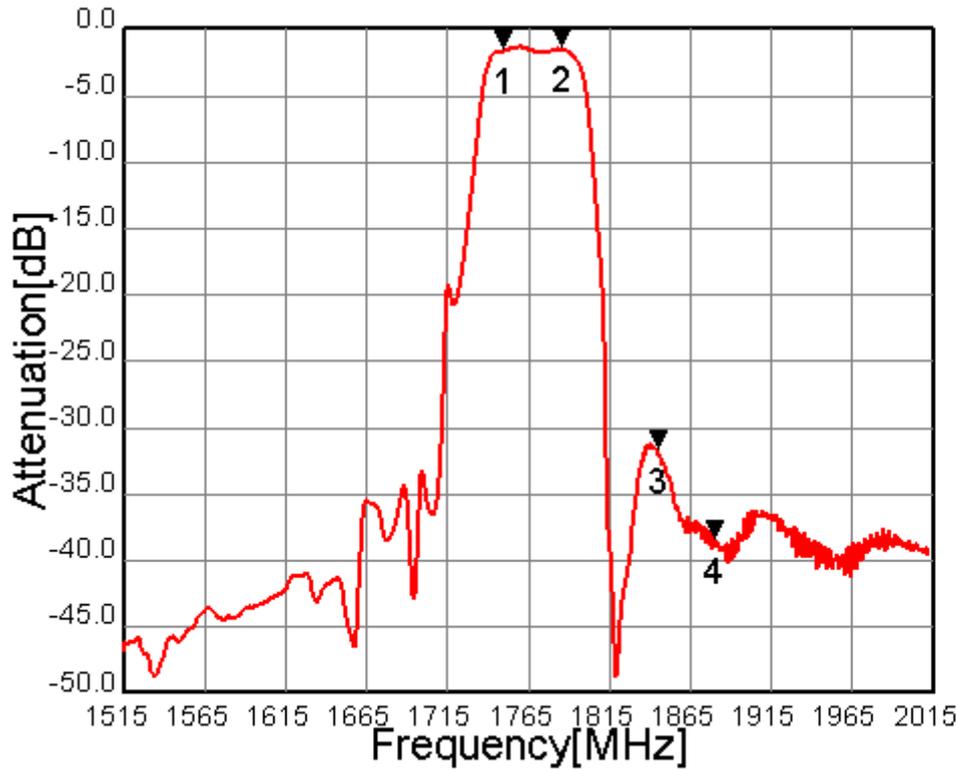




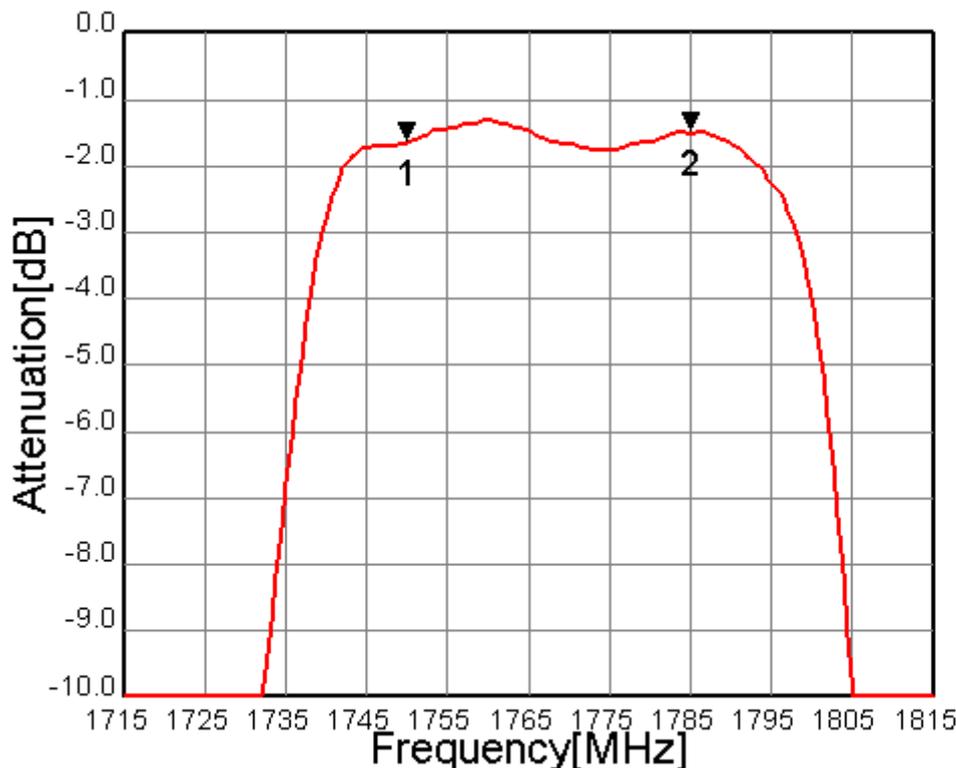
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**Fig.1 Pass-band Characteristics**



**Fig.2 In-band Characteristics**



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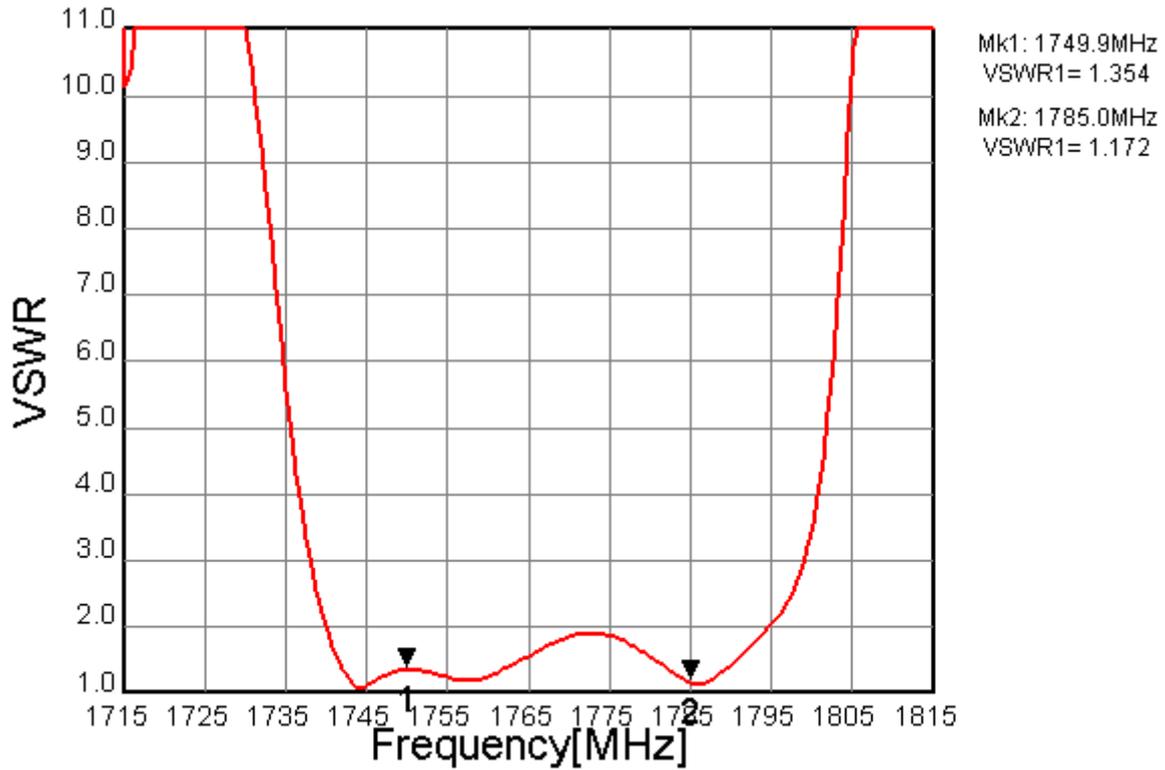


Fig.3 VSWR (S11)

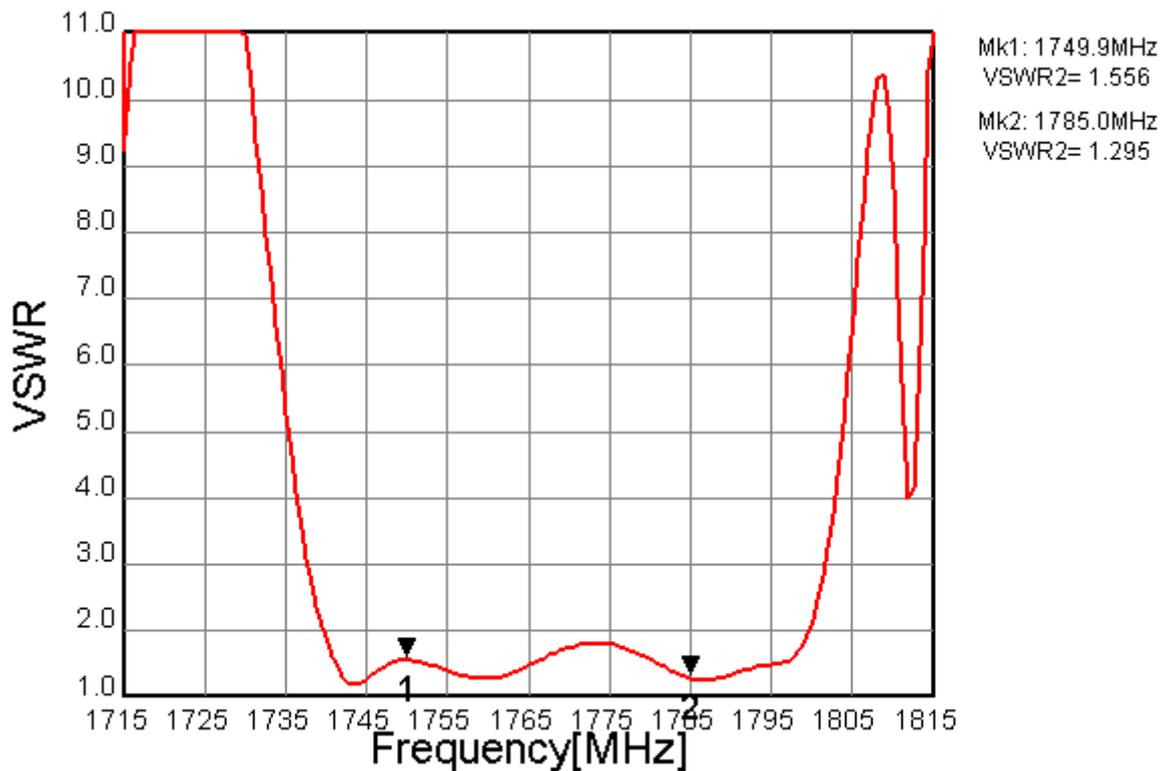


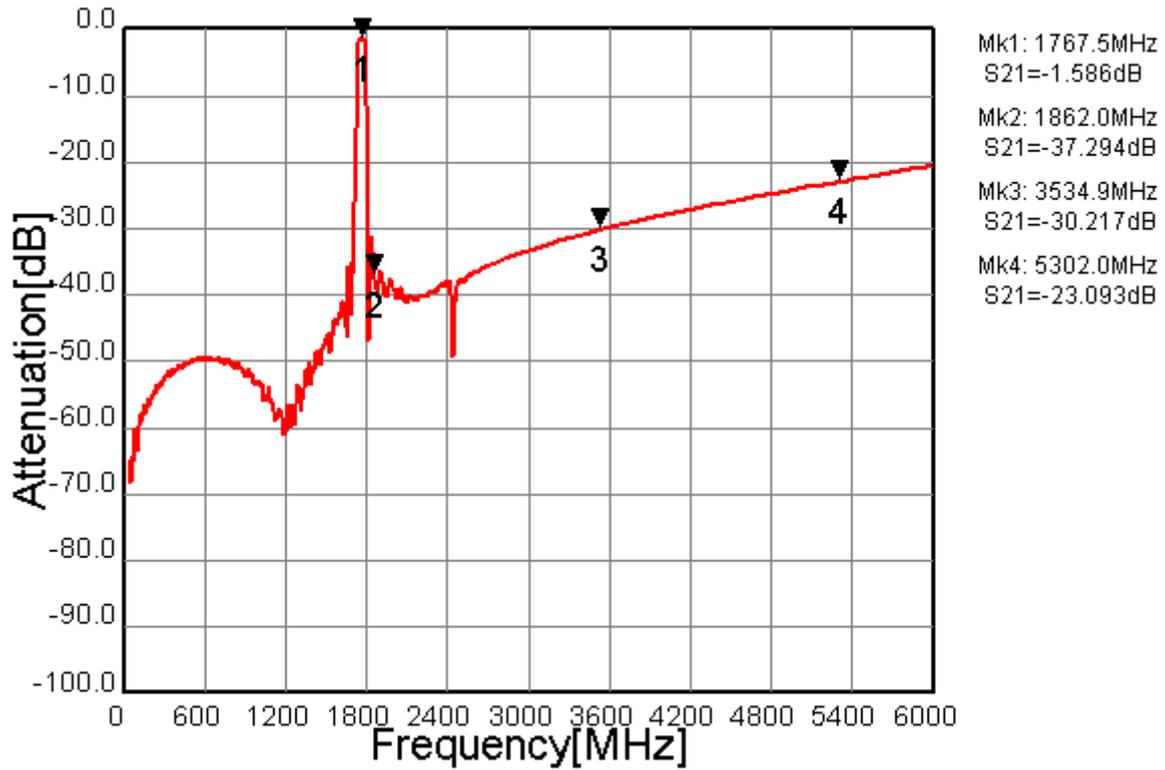
Fig.4 VSWR(S22)



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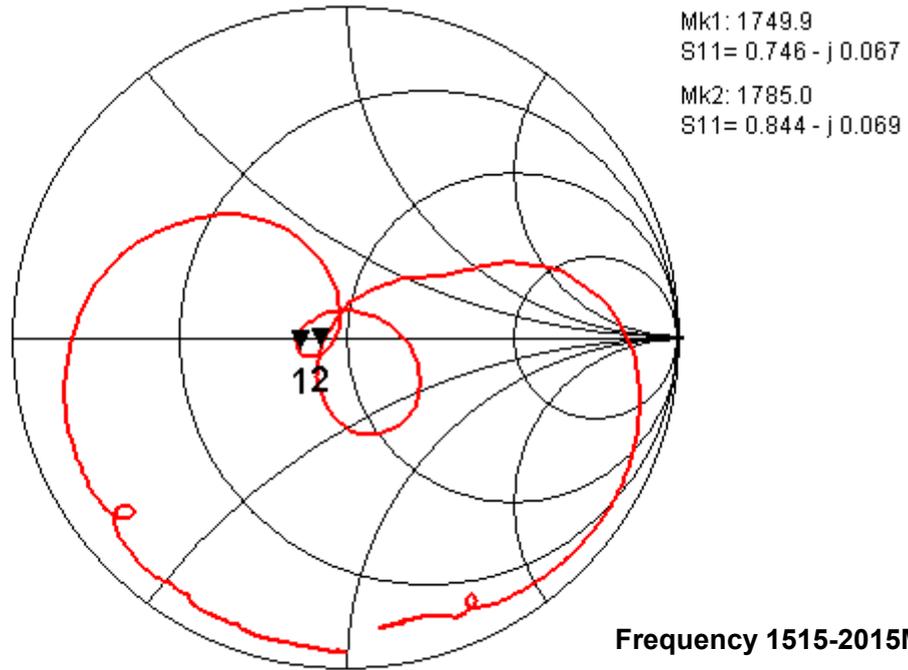
**Fig.5 Wide-band Characteristics**



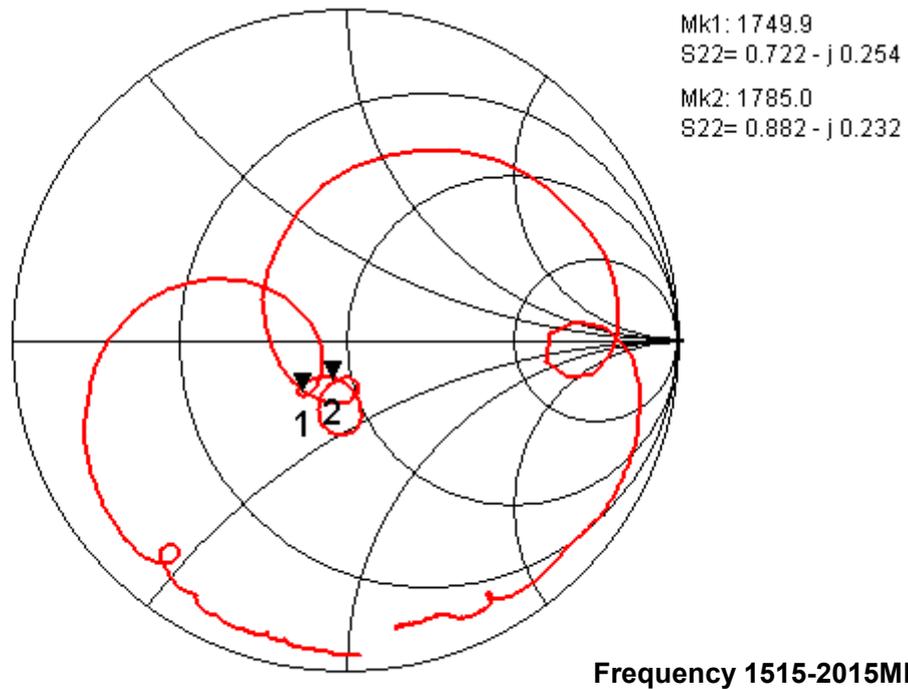
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**Fig.6 Impedance (Input)**



**Fig.7 Impedance (Output)**