



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	GSM900/GSM850 Rx (50/150ohms)	Date	March 31, 2010
Part Number	FAR-G5KC-942M50-Y4YW	Version 1.1bc	

Table 1. Electrical specifications(Filter 1)

Pass Band (925-960MHz)						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	925-960	-	1.8	2.4	dB (*1)	
Ripple	925-960	-	0.7	1.4	dB	
Input VSWR	925-960	-	1.8	2.2	-	
Output VSWR	925-960	-	1.8	2.2	-	
Absolute attenuation	DC-880	40	60	-	dB	
	880-905	28	40	-	dB	
	905-915	20	31	-	dB	
	980-1025	25	34	-	dB	
	1025-2880	36	51	-	dB	
	2880-6000	30	43	-	dB	
Amplitude balance (S21/S31)	925-960	-1.0	-0.2/+0.2	+1.0	dB	
Phase balance (∠S21-∠S31)+180)	925-960	-10	-1/+4	+10	deg	
Input impedance (Unbalanced)	50			Ohm		
Output impedance (Balanced)	150//82nH			Ohm		
Operating temperature	-30to +85			°C		

(*1) These data include loss that comes from the test board.



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Table 2.Electrical specifications(Filter 2)

Pass Band (869-894MHz)						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	869-894	-	1.4	2.1	dB (*1)	
Ripple	869-894	-	0.3	1.1	dB	
Input VSWR	869-894	-	1.5	2.0	-	
Output VSWR	869-894	-	1.5	2.0	-	
Absolute attenuation	DC-824	45	62	-	dB	
	824-849	40	54	-	dB	
	914-960	25	35	-	dB	
	960-2000	35	53	-	dB	
	2000-6000	30	43	-	dB	
Amplitude balance ((S21/S31))	869-894	-1.0	-0.0/+0.2	+1.0	dB	
Phase balance ((Φ S21- Φ S31)+180)	869-894	-10	0/+2	+10	deg	
Input impedance (Unbalanced)		50			Ohm	
Output impedance (Balanced)		150			Ohm	
Operating temperature		-30to +85			°C	

(*1) These data include loss that comes from the test board.