

RoHS Compliant

Datasheet of SAW Filter 1411 Band41 TRx

KYOCERA Part No. : SF14-2593M5UUC1

C2: 1.0pF (Ideal)

Items	Rating	Unit	Note
Operating Temperature Range	-20 to +85	deg.C	
Storage Temperature Range	-40 to +85	deg.C	
May Input Dower (TDy part)	+32	dBm	5,000Hours,Ta=50deg.C, DFT-s-OFDM
Max Input Power (TRx port)	+30.5	dBm	5,000Hours,Ta=50deg.C, CP-OFDM
TRx Port Nominal Impedance	50//1.2pF,+3.0nH	ohm	Unbalance
Ant. Port Nominal Impedance	50//1.0pF,+3.6nH	ohm	Unbalance







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Electrical Characteristics

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ltems	frequency (MHz)		Characteristics			Unit	Notes	
				min.	Тур.	max.		
Nominal Center Frequency		-			2593		MHz	
Insertion Loss	2496	to	2500	-	2.5	3.8	dB	
	2500	to	2515	-	2.2	3.2	dB	
	2515	to	2545	-	1.6	2.7	dB	
	2545	to	2575	-	1.5	2.8	dB	
	2575	to	2675	-	1.8	2.8	dB	
	2675	to	2690	-	1.8	3.0	dB	
Input VSWR(TRx)	2496	to	2690	-	1.5	2.2	-	
Output VSWR(Ant)	2496	to	2690	-	1.5	2.1	-	
Attenutation	617	to	960	30	33	-	dB	LB
	1166.22	to	1254	28	32	-	dB	GPS L5+L2
	1559.052	to	1605.89	28	33	-	dB	GPS L1
	1710	to	1785	29	34		dB	ВЗ Тх
	1805	to	1880	29	36		dB	B3 Rx
	1880	to	1920	30	38	-)	dB	B39
	1920	to	1990	28	40	-	dB	B1 Tx
	2110	to	2170	20	29	-	dB	B1 Rx
	2300	to	2400	13	19	-	dB	B40
	2402	to	2462	30	42	-	dB	WiFi CH1-9,Ave.for 19MHzBW
	2447	to	2467	29	41	-	dB	WiFi CH10, Ave. for 19MHzBW
	2452	to	2472	16	40	-	dB	WiFi CH11,Ave.for 19MHzBW
	2457	to	2477	5	33	-	dB	WiFi CH12, Ave. for 19MHzBW
	2462	to	2482	2	20	-	dB	WiFi CH13,Ave.for 19MHzBW
	3300	to	3800	23	27	-	dB	n78
	3800	to	4200	29	34	-	dB	n77
	4400	to	4800	25	32	-	dB	n79
	4992	to	5380	40	49	-	dB	2fo
	5150	to	5850	40	50	-	dB	WiFi 5G
	7488	to	8070	30	49	-	dB	3fo

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