



RF360 Europe GmbH

A Qualcomm – TDK Joint Venture

SAW DEVICE SELECTION TABLE

for

Industrial Electronics

(including Infrastructure Systems and Multimedia)

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Basestation IF Filters

Center Frequency MHz	Type		Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Out of Band Rejection dB	Package	Size mm ²	Application
133.20	B4926	i	0.20	0.80	4.5	32	QCC12C	7.0x5.0	GSM
122.88	B5245	i	0.10	2.50	6.2	40	QCC12C	7.0x5.0	Clean-up
153.60	B5206	o	20.00	29.00	7.8	57	QCC12E	7.0x5.0	TD-SCDMA
153.60	B5239	i	40.00	55.00	12.2	60	QCC12E	7.0x5.0	TD-SCDMA
115.18	B5382	i	14.00	17.50	12.7	35	QCC12E	7.0x5.0	W-CDMA/LTE
138.20	B5233	o	35.00	47.00	10.4	45	QCC12E	7.0x5.0	CDMA/LTE
172.80	B5220	i	21.00	30.00	9.4	60	QCC12E	7.0x5.0	W-CDMA/LTE
182.50	B5255	i	12.00	17.50	9.4	55	QCC12E	7.0x5.0	LTE
184.30	B5258	i	47.00	60.00	9.0	35	QCC12E	7.0x5.0	LTE
184.32	B5268	o	65.00	75.00	17.8	45	QCC12E	7.0x5.0	LTE
191.60	B5270	i	16.00	22.00	11.1	50	QCC12E	7.0x5.0	LTE
192.00	B5219	i	21.00	30.00	7.9	50	QCC12E	7.0x5.0	W-CDMA/LTE
192.00	B5224	i	30.00	40.00	8.9	50	QCC12E	7.0x5.0	W-CDMA/LTE
192.00	B5087	i	60.00	70.00	15.2	50	QCC12E	7.0x5.0	W-CDMA/LTE
192.00	B5260	i	60.00	75.00	9.8	45	QCC12E	7.0x5.0	W-CDMA/LTE
230.40	B5269	i	60.00	75.00	10.2	35	QCC12E	7.0x5.0	LTE
230.40	B5272	i	65.00	80.00	10.3	35	QCC12E	7.0x5.0	LTE
307.20	B5251	o	41.00	55.00	11.0	45	QCC12E	7.0x5.0	LTE
307.20	B5254	o	60.00	75.00	10.4	50	QCC12E	7.0x5.0	LTE

- s: samples available (not yet in production)
- o: obsolete (not for new designs)
- i: data sheet is available in Internet

Basestation RF Filters

Center Frequency MHz	Type	Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Out of Band Rej. dB	Package	Size mm ²	Application	
453.74	B5061	o	7.48	21.00	2.2	48	DCC6C	3.0x3.0	Band 31 UL
455.00	B5336	i	5.00	10.00	1.6	44	DCC6C	3.0x3.0	Band 31 UL
465.00	B5052	i	10.00	23.00	2.0	17	QCC8B	3.8x3.8	Band 31 DL
634.50	B5384	i	35.00	60.00	3.0	35	DCC6C	3.0x3.0	Band 71 DL
680.50	B5378	i	35.00	50.00	2.2	30	DCC6C	3.0x3.0	Band 71 UL
689.00	B5603	i	52.00	90.00	3.2	30	DCC6C	3.0x3.0	Band 12+71 UL
707.00	B5107	i	18.00	34.00	1.6	40	DCC6C	3.0x3.0	Band 12 UL
722.50	B5347	i	11.00	25.00	1.8	45	DCC6C	3.0x3.0	Band 29 DL
736.50	B5329	i	39.00	80.00	3.0	20	DCC6C	3.0x3.0	Band 12+13 DL
737.00	B5124	o	20.00	35.00	1.9	40	DCC6C	3.0x3.0	Band 12 DL
737.50	B5346	i	17.00	35.00	1.8	40	DCC6C	3.0x3.0	Band 12 DL
748.50	B5607	i	39.00	85.00	3.1	40	DCC6C	3.0x3.0	Band 12+14 DL
751.00	B5344	i	10.00	24.00	1.7	30	DCC6C	3.0x3.0	Band 13 DL
751.50	B5116	o	11.00	38.00	1.5	30	DCC6C	3.0x3.0	Band 13 DL
763.00	B5341	i	10.00	26.00	2.2	50	DCC6C	3.0x3.0	Band 14 DL
766.50	B5117	o	17.00	37.00	2.0	30	DCC6C	3.0x3.0	Band 14 DL
781.50	B5114	i	11.00	39.00	1.6	28	DCC6C	3.0x3.0	Band 13 UL
787.00	B5113	i	22.00	35.00	2.1	30	DCC6C	3.0x3.0	Band 13+14 UL
793.00	B5380	i	10.00	25.00	1.8	38	DCC6C	3.0x3.0	Band 14 UL
723.00	B5309	i	10.00	32.00	1.7	38	DCC6C	3.0x3.0	Band 28 Japan
725.50	B5326	i	45.00	80.00	3.3	20	DCC6C	3.0x3.0	Band 28 UL
725.50	B5328	i	45.00	60.00	2.5	35	DCC6C	3.0x3.0	Band 28 UL
733.00	B5178	i	10.00	35.00	1.6	40	DCC6C	3.0x3.0	Band 28 Japan
780.50	B5199	i	45.00	60.00	3.0	33	DCC6C	3.0x3.0	Band 28 DL
780.50	B5325	i	45.00	n/a	3.5	18	DCC6C	3.0x3.0	Band 28 DL
789.50	B5604	i	63.00	100.00	3.4	32	DCC6C	3.0x3.0	Band 20+28 DL
806.00	B5131	i	30.00	n/a	1.8	15	DCC6C	3.0x3.0	Band 20 DL
847.00	B5130	i	30.00	50.00	2.4	31	DCC6C	3.0x3.0	Band 20 UL
815.50	B5370	i	17.00	40.00	1.7	36	DCC6C	3.0x3.0	Band 27 UL
822.50	B5321	i	15.00	30.00	2.1	40	DCC6C	3.0x3.0	Band 18 UL
831.50	B5348	i	35.00	52.00	2.1	30	DCC6C	3.0x3.0	Band 26 UL
836.50	B5176	i	25.00	46.00	1.7	49	DCC6C	3.0x3.0	Band 5 UL
860.50	B5371	i	17.00	40.00	2.2	45	DCC6C	3.0x3.0	Band 27 DL
867.50	B5059	i	25.00	50.00	2.5	47	DCC6C	3.0x3.0	Band 18 DL
876.50	B5351	i	35.00	52.00	2.0	34	DCC6C	3.0x3.0	Band 26 DL
876.60	B5396	i	7.20	30.00	1.3	49	DCC6C	3.0x3.0	R-GSM UL
895.50	B5056	i	39.00	62.00	2.1	25	DCC6C	3.0x3.0	R-GSM UL
897.50	B5340	i	35.00	50.00	2.2	60	DCC6C	3.0x3.0	Band 8 UL
897.50	B5398	i	35.00	65.00	1.7	30	DCC6C	3.0x3.0	Band 8 UL
902.50	B5606	i	25.00	40.00	1.6	30	DCC6C	3.0x3.0	Band 8 Japan
907.50	B5322	i	15.00	30.00	2.0	44	DCC6C	3.0x3.0	Band 8 Japan
939.00	B5397	i	42.00	75.00	2.0	30	DCC6C	3.0x3.0	R-GSM DL
940.50	B5057	i	39.00	60.00	2.7	35	DCC6C	3.0x3.0	R-GSM DL
942.50	B5182	i	35.00	50.00	2.5	33	DCC6C	3.0x3.0	Band 8 DL
952.50	B5352	o	15.00	30.00	2.2	35	DCC6C	3.0x3.0	Band 8 Japan
1446.45	B5128	i	37.10	80.00	2.5	50	DCC6C	3.0x3.0	Band 11+21 UL
1457.00	B5385	i	20.00	60.00	1.6	44	DCC6C	3.0x3.0	Band 45 UL

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Basestation RF Filters (cont.)

Center Frequency MHz	Type	Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Out of Band Rej. dB	Package	Size mm ²	Application	
1732.50	B5109	i	45.00	90.00	1.7	28	DCC6C	3.0x3.0	Band 4 UL
1747.50	B5085	i	75.00	200.00	2.5	25	DCC6C	3.0x3.0	Band 3 UL
1747.50	B5159	i	75.00	140.00	2.2	20	DCC6C	3.0x3.0	Band 3 UL
1747.50	B5364	i	75.00	90.00	2.6	58	DCC6C	3.0x3.0	Band 3 UL
1762.50	B5110	o	45.00	90.00	1.7	28	DCC6C	3.0x3.0	Band 9 UL
1774.90	B5349	i	20.00	85.00	1.7	40	DCC6C	3.0x3.0	Band 9 UL
1842.50	B5330	i	75.00	n/a	3.0	30	DCC6C	3.0x3.0	Band 3 DL
1842.50	B5386	i	75.00	120.00	2.1	30	DCC6C	3.0x3.0	Band 3 DL
1845.00	B5376	i	90.00	135.00	2.1	35	DCC6C	3.0x3.0	Band 3 extend
1880.00	B5180	i	60.00	110.00	2.1	25	DCC6C	3.0x3.0	Band 2 UL
1880.00	B5375	i	60.00	80.00	2.5	59	DCC6C	3.0x3.0	Band 2 UL
1882.50	B5171	i	65.00	n/a	2.6	20	DCC6C	3.0x3.0	Band 25 UL
1882.50	B5177	i	65.00	100.00	2.0	26	DCC6C	3.0x3.0	Band 25 UL
1882.50	B5609	i	65.00	90.00	2.4	49	DCC6C	3.0x3.0	Band 25 UL
1917.50	B5613	i	5.00	30.00	2.6	27	DCC6C	3.0x3.0	Block H UL
1950.00	B5127	i	20.00	n/a	2.5	35	DCC6C	3.0x3.0	Band 1 Japan
1950.00	B5166	i	60.00	105.00	2.0	42	DCC6C	3.0x3.0	Band 1 UL
1960.00	B5155	i	60.00	120.00	2.3	32	DCC6C	3.0x3.0	Band 2 DL
1962.50	B5181	i	65.00	95.00	2.8	30	DCC6C	3.0x3.0	Band 25 DL
2007.50	B5611	i	25.00	50.00	2.6	27	DCC6C	3.0x3.0	Band 70 DL
2140.00	B5377	i	60.00	130.00	2.8	35	DCC6C	3.0x3.0	Band 1 DL
2140.00	B5610	i	160.00	300.00	2.3	25	DCC6C	3.0x3.0	Band 1 extend
2155.00	B5359	i	90.00	230.00	2.9	36	DCC6C	3.0x3.0	Band 66 DL
2310.00	B5342	i	10.00	60.00	2.2	45	DCC6C	3.0x3.0	Band 30 UL
2352.50	B5345	i	15.00	70.00	1.7	35	DCC6C	3.0x3.0	Band 30 DL
2535.00	B5115	i	70.00	130.00	2.5	32	DCC6C	3.0x3.0	Band 7 UL
2535.00	B5620	i	70.00	120.00	1.7	49	DCC6C	3.0x3.0	Band 7 UL
2655.00	B5122	i	70.00	140.00	2.3	36	DCC6C	3.0x3.0	Band 7 DL
1900.00	B5305	i	40.00	80.00	1.9	40	DCC6C	3.0x3.0	Band 39
2017.50	B5306	i	15.00	50.00	2.2	45	DCC6C	3.0x3.0	Band 34
2345.00	B5312	i	50.00	90.00	2.1	40	DCC6C	3.0x3.0	Band 40 partial
2345.00	B5361	o	50.00	80.00	2.2	30	DCC6C	3.0x3.0	Bd 40 Post-PA
2350.00	B5133	i	100.00	n/a	2.0	30	DCC6C	3.0x3.0	Band 40
2350.00	B5302	i	100.00	150.00	2.0	25	DCC6C	3.0x3.0	Band 40
2560.00	B5164	o	30.00	120.00	2.4	33	DCC6C	3.0x3.0	Band 41 XGP
2593.00	B5303	o	194.00	300.00	2.0	20	DCC6C	3.0x3.0	Band 41
2593.00	B5337	i	194.00	360.00	2.7	34	DCC6C	3.0x3.0	Band 41
2595.00	B5154	o	50.00	130.00	2.6	30	DCC6C	3.0x3.0	Band 38
2595.00	B5308	i	50.00	130.00	1.9	35	DCC6C	3.0x3.0	Band 38
2595.00	B5175	i	100.00	160.00	2.5	25	DCC6C	3.0x3.0	Band 41 partial
2595.00	B5304	i	80.00	145.00	2.0	28	DCC6C	3.0x3.0	Band 41 partial
3450.00	B5327	o	80.00	200.00	1.9	38	DCC6C	3.0x3.0	Band 22 UL
3500.00	B5360	i	200.00	400.00	4.5	35	DCC6C	3.0x3.0	Band 42
3540.00	B5350	i	120.00	250.00	2.7	30	DCC6C	3.0x3.0	Band 42 partial
3615.00	B5618	i	170.00	300.00	2.9	40	DCC6C	3.0x3.0	Band 48 (CBRS)
3700.00	B5366	i	200.00	400.00	4.0	35	DCC6C	3.0x3.0	Band 43
4500.00	DK34	s	200.00	500.00	1.8	30	DCC6C	3.0x3.0	Band n79 part.

s: samples available (not yet in production)

o: obsolete (not for new designs)

i: data sheet is available in Internet

Dualband Filters and Diplexers

Center Frequency MHz	Type		Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Out of Band Rejection dB	Package	Size mm ²	Application
707 / 793	B5399	i	16 / 10	30 / 30	1.9 / 2.1	31	DCC6D	3.0x3.0	Bd 12+14 Diplex.
718 / 847	B5394	i	30 / 30	50 / 50	2.6 / 2.6	30	DCC6C	3.0x3.0	Dualband 20+28a
725.5/847	B5372	s,i	45 / 30	60 / 60	2.4 / 1.7	30	DCC6C	3.0x3.0	Dualband 20+28
781.5/836.5	B5602	i	11 / 25	30 / 50	1.2 / 1.6	40	DCC6D	3.0x3.0	Bd 5+13 Diplex.
1747 / 1950	B5621	s,i	75 / 60	96 / 105	3.0 / 2.8	30	DCC6C	3.0x3.0	Dualband B1+3
1747 / 1950	B5343	i	75 / 60	96 / 105	2.7 / 2.6	43	DCC6D	3.0x3.0	Bd 1+3 Diplexer
1747 / 1950	B5389	i	75 / 60	100 / 105	2.2 / 2.3	37	DCC6D	3.0x3.0	Bd 1+3 Diplexer
1732 / 1880	B5381	i	45 / 60	85 / 90	2.2 / 2.8	30	DCC6C	3.0x3.0	Dualband B2+4
1732 / 1880	B5362	i	45 / 60	85 / 90	2.5 / 3.0	37	DCC6D	3.0x3.0	Bd 2+4 Diplexer
1745/1882.5	B5392	i	70 / 65	100 / 90	2.0 / 2.4	35	DCC6D	3.0x3.0	Bd 25+66 Diplex.
1897 / 2017	B5186	i	35 / 15	80 / 60	3.0	35	DCC6C	3.0x3.0	Dualband 34+39
1897 / 2017	B5190	i	35 / 15	80 / 60	2.8 / 2.7	35	DCC6C	3.0x3.0	Dualband 34+39
1897 / 2017	B5187	i	35 / 15	80 / 50	3.0 / 3.5	25	DCC6D	3.0x3.0	Bd 34+39 Diplex.

- s: samples available (not yet in production)
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Broadband Wireless Access and WiMAX Filters
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Center Frequency MHz	Type		Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Out of Band Rejection dB	Package	Size mm ²
110.59	B5232	i	1.15	3.00	4.0	40	QCC12C	7.0x5.0
140.00	B5250	o	2.00	4.40	11.6	45	QCC12E	7.0x5.0
140.00	B5247	o	3.80	7.20	8.6	40	QCC12E	7.0x5.0
140.00	B5249	o	7.40	13.50	12.4	45	QCC12E	7.0x5.0
140.00	B5246	i	15.00	21.00	11.4	45	QCC12E	7.0x5.0
810.00	B5094	o	20.00	43.00	2.1	40	DCC6C	3.0x3.0
1080.00	B5168	i	1.00	3.50	3.6	25	QCC8F	3.0x3.0
1080.00	B5169	o	7.00	22.00	2.5	40	QCC8F	3.0x3.0
1080.00	B5157	i	30.00	n/a	1.6	40	DCC6C	3.0x3.0
1900.00	B5148	o	35.00	90.00	2.6	45	DCC6C	3.0x3.0

- *: 30dB-bandwidth
- s: samples available (not yet in production)
- o: obsolete (not for new designs)
- i: data sheet is available in Internet

Trunked Radio Filters

Center Frequency MHz	Type		Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Out of Band Rejection dB	Package	Size mm ²	Application
342.50	B5189	i	25.00	42.00	3.5	20	QCC8B	3.8x3.8	TETRA
350.00	B5192	i	20.00	n/a	2.2	15	QCC8C	5.0x5.0	TETRA
355.00	B5073	i	10.00	17.00	1.8	30	QCC8B	3.8x3.8	TETRA
365.00	B5074	i	10.00	17.00	1.7	50	QCC8B	3.8x3.8	TETRA
367.50	B5188	i	25.00	46.00	3.0	27	QCC8B	3.8x3.8	TETRA
385.00	B5616	i	10.00	30.00	2.0	35	QCC8C	5.0x5.0	TETRA
390.00	B5047	i	20.00	32.00	3.1	20	QCC8B	3.8x3.8	TETRA
390 / 420	B4233	i	20 / 20	38 / 40	1.9 / 1.9	40	QCC8C	5.0x5.0	TETRA 2in1
390 / 415	B5151	i	20 / 30	50 / 60	1.8 / 2.2	25	QCC8C	5.0x5.0	TETRA 2in1
392.50	B5334	i	25.00	50.00	2.8	40	QCC8B	3.8x3.8	TETRA
392.5/417.5	B5338	i	25 / 25	55 / 55	2.2 / 2.2	30	QCC8C	5.0x5.0	TETRA 2in1
412.50	B5617	i	5.00	12.00	1.4	35	DCC6C	3.0x3.0	TETRA
415.00	B5053	i	10.00	21.00	2.3	40	QCC8B	3.8x3.8	TETRA
415.00	B5324	i	30.00	50.00	3.3	40	QCC8B	3.8x3.8	TETRA
417.50	B5335	i	25.00	50.00	3.0	40	QCC8B	3.8x3.8	TETRA
420.00	B5048	i	20.00	34.00	3.2	20	QCC8B	3.8x3.8	TETRA
425.00	B5055	i	10.00	21.00	2.7	40	QCC8B	3.8x3.8	TETRA
440.50	B5173	i	15.00	25.00	1.9	40	QCC8B	3.8x3.8	DMR/PMR
452.50	B5150	o	15.00	n/a	1.6	15	QCC8B	3.8x3.8	TETRA
454.00	B5369	i	32.00	55.00	3.5	34	DCC6	3.8x3.8	DMR/PMR
460.00	B5058	i	20.00	42.00	2.0	30	QCC8B	3.8x3.8	TETRA
465.00	B5052	i	10.00	23.00	2.7	40	QCC8B	3.8x3.8	TETRA/Bd31
769 / 809.5	B4236	i	14 / 31	42 / 50	1.7 / 2.3	55-60	QCC8E	3.0x2.5	iDEN/APCO
769 / 860.5	B4232	i	14 / 19	42 / 46	1.7 / 2.4	55-60	QCC8E	3.0x2.5	iDEN/APCO
769 / 860.5	B4240	i	14 / 19	42 / 46	1.6 / 1.8	55-60	QCC8E	3.0x2.5	iDEN/APCO
815.50	B5370	i	17.00	40.00	1.7	36	DCC6C	3.0x3.0	TETRA/iDEN
815.50	B5046	i	19.00	46.00	2.6	40	DCC6D	3.0x3.0	TETRA/iDEN
860.50	B5371	i	17.00	40.00	2.2	45	DCC6C	3.0x3.0	TETRA/iDEN
860.50	B5013	i	19.00	50.00	3.0	45	DCC6D	3.0x3.0	TETRA/iDEN

- s: samples available (not yet in production)
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Filters for Satellite Navigation and Cable Networks
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Center Frequency MHz	Type		Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Out of Band Rejection	Package	Size mm ²
173.80	B5068	o	24.00	27.50	9.3	45	QCC12E	7.0x5.0
610.00	B3690	i	2.70	5.50	9.5	45	QCC12C	7.0x5.0
1474.00	B8844	i	44.00	86.00	1.7	45	QCT5F	1.1x0.9
1475.00	B5608	i	110.00	200.00	2.5	35	DCC6C	3.0x3.0
1575.42	B9457	i	2.40	80.00	0.5	30	QCS5U	1.4x1.1
1582.47	B9621	i	46.84	90.00	1.4	35	QCS5P	1.4x1.1
1538.50	B5163	i	41.00	80.00	2.3	45	DCC6C	3.0x3.0
1643.50	B5153	i	34.00	80.00	1.8	40	DCC6C	3.0x3.0
1650.75	B5143	i	48.50	85.00	2.9	45	DCC6C	3.0x3.0

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Filters for Smallcells and Convergence Application (Femtocells, ...)

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Size mm ²	Application
942.5/1842.5	B9940	i	35 / 75	2.0 / 2.5	QCT10K	1.1x1.5	2in1 diplexed output - GSM Eur. Sniffers
942.5/1842.5	B9943	i	35 / 75	1.7 / 1.9	QCT10K	1.1x1.5	2in1 - GSM Eur. Sniffers
1890.00	B9479	i	20.00	2.1	QCS5I	1.1x1.4	DECT Europe Rx/Tx filter - Consumer
1582.47	B9621	i	8.34	1.4	QCS5P	1.1x1.4	GPS/GNSS/Galileo/Beidu filter - Industrial
2442.00	B9634	i	84.00	1.9	QCU5S	1.1x1.4	WiFi Coexistence filter - Industrial
2442.00	B9645	i	84.00	1.5	QCU5G	0.9x1.1	WiFi Coexistence filter - Industrial
1950.00	B9610	i	60.00	2.0	QCS5P	1.1x1.4	Band 1 Uplink filter - Industrial
2140.00	B9622	i	60.00	2.0	QCS5P	1.1x1.4	Band 1 Downlink filter - Industrial
1880.00	B9611	i	60.00	2.5	QCS5M	1.1x1.4	Band 2 Uplink filter - Industrial
1960.00	B9619	i	60.00	2.5	QCS5P	1.1x1.4	Band 2 Downlink filter - Industrial
1747.50	B9624	i	75.00	2.4	QCS5P	1.1x1.4	Band 3 Uplink filter - Industrial
1842.50	B9639	i	75.00	2.3	QCS5P	1.1x1.4	Band 3 Downlink filter - Industrial
1732.50	B9617	i	45.00	1.2	QCS5P	1.1x1.4	Band 4 Uplink filter - Industrial
2132.50	B9615	i	45.00	1.9	QCS5P	1.1x1.4	Band 4 Downlink filter - Industrial
836.50	B9613	i	25.00	1.6	QCS5P	1.1x1.4	Band 5 Uplink filter - Industrial
881.50	B9612	i	25.00	1.8	QCS5P	1.1x1.4	Band 5 Downlink filter - Industrial
2535.00	B9629	i	70.00	2.6	QCU5C	1.1x1.4	Band 7 Uplink filter - Industrial - WiFi Coex.
2535.00	B9636	i	70.00	1.6	QCS5P	1.1x1.4	Band 7 Uplink filter - Industrial
2655.00	B9623	i	70.00	2.2	QCS5P	1.1x1.4	Band 7 Downlink filter - Industrial
897.50	B9633	i	35.00	2.5	QCS5P	1.1x1.4	Band 8 Uplink filter - Industrial
942.50	B9630	i	35.00	2.1	QCS5P	1.1x1.4	Band 8 Downlink filter - Industrial
737.50	B9620	i	17.00	2.0	QCS5P	1.1x1.4	Band 12/17 Downlink filter - Industrial
707.50	B9616	i	17.00	2.2	QCS5P	1.1x1.4	Band 12/17 Uplink filter - Industrial
782.00	B9627	i	10.00	1.5	QCS5P	1.1x1.4	Band 13 Uplink filter - Industrial
751.00	B9638	i	10.00	2.1	QCS5P	1.1x1.4	Band 13 Downlink filter - Industrial
847.00	B9632	i	30.00	1.5	QCS5M	1.1x1.4	Band 20 Uplink filter - Industrial
806.00	B9631	i	30.00	2.1	QCS5P	1.1x1.4	Band 20 Downlink filter - Industrial
725.50	B9644	i	45.00	1.9	QCS5P	1.1x1.4	Band 28 Uplink filter - Industrial
3625.00	B9641	i	150.00	2.1	QCS5P	1.1x1.4	Band 48 - Interstage filter - Industrial
2155.00	B9642	i	90.00	2.4	QCS5P	1.1x1.4	Band 66 Downlink filter - Industrial
2017.50	B9626	i	15.00	1.5	QCS5P	1.1x1.4	Band 34 - TDD Post PA filter - Industrial
1900.00	B9643	i	40.00	1.6	QCS9P	1.1x1.4	Band 39 - TDD Post PA filter - Industrial
2345.00	B9637	i	50.00	2.1	QCS5P	1.1x1.4	Band 40_{part. 50MHz} - Post PA filter - Industr.
2345.00	B8364	i	50.00	1.7	QLA3E	1.6x2.0	Band 40_{part. 50MHz} - Post PA filter - Cons.
2335.00	B9635	i	70.00	1.9	QCS5P	1.1x1.4	Band 40_{part. 70MHz} - Post PA filter - Industr.
2335.00	B8355	i	70.00	2.0	QCR5G	1.1x1.4	Band 40_{part. 70MHz} - Post PA filter - Cons.
2335.00	B8365	i	70.00	1.8	QLA3E	1.6x2.0	Band 40_{part. 70MHz} - Post PA filter - Cons.
2350.00	B9628	i	100.00	2.9	QCU5D	1.1x1.4	Band 40 - TDD Post PA filter - Industrial
2350.00	B8353	i	100.00	2.0	QCR5G	1.1x1.4	Band 40 - TDD Post PA filter - Consumer
2345.00	B9681	i	90.00	2.2	QCR8V	1.4x1.8	Band 40 - TDD Post PA filter - Industrial
2345.00	AS52	s	90.00	2.6	QCD9U	1.6x2.0	Band 40 - TDD Post PA filter - Industrial
2605.00	B8354	i	100.00	1.7	QCR5G	1.1x1.4	Band 38/41 part. - Post PA filter - Cons.
2593.00	B9680	i	194.00	3.1	QCR8V	1.4x1.8	Band 41 - TDD Post PA filter - Industrial
2593.00	B8352	i	194.00	2.9	QLA8H	1.4x1.8	Band 41 - BAW - Post PA filter - Cons.
2595.00	AS57	s	160.00	2.3	QCD9U	1.6x2.0	Band n41_{china} - TDD Post PA filter - Ind.

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Duplexers for Smallcells and Convergence Application (Femtocells, ...)

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Size mm ²	Application
1950 / 2140	B8637	i	60.00	2.0 / 2.0	QCA9V	2.0x2.5	Band 1 Dpx femtocell - Consumer
1950 / 2140	B8203	i	60.00	2.1 / 1.6	QCS9P	2.0x2.5	Band 1 Dpx Smallcells, high isolation - Industr.
1950 / 2140	B8092	i	60.00	2.3 / 2.0	QCW9F	2.0x2.5	Band 1 Dpx Smallcells, high power - Industrial
1950 / 2140	D7903	i	60.00	2.8 / 2.7	ML042B	8.1x8.1	Band 1 E-Dpx - very high isolation - Enterprise
1880 / 1960	B8047	i	60.00	2.0 / 2.0	QCS9P	2.0x2.5	Band 2 Dpx Smallcells, high power - Industrial
1722.5 / 1817.5	B8201	i	25.00	1.6 / 2.3	QCS9P	2.0x2.5	Band 3 _{partial} Dpx Smallcells - Industrial
1747.5 / 1842.5	B8018	i	75.00	3.5 / 2.6	QCS9P	2.0x2.5	Band 3 Dpx Smallcells - Industrial
1747.5 / 1842.5	B8044	i	75.00	3.8 / 2.7	QCS9P	2.0x2.5	Band 3 Dpx Smallcells - Industrial
1747.5 / 1842.5	D7906	i	75.00	4.4 / 3.3	ML042B	8.1x8.1	Band 3 E-Dpx - very high isolation - Enterprise
1732.5 / 2132.5	B8111	i	45.00	2.1 / 1.8	QCS8E	1.8x1.4	Band 4 Dpx femtocell - Consumer
1732.5 / 2132.5	B8033	i	45.00	2.1 / 1.7	QCS9P	2.0x2.5	Band 4 Dpx Smallcells, high power - Industrial
1732.5 / 2132.5	D7902	i	45.00	2.8 / 2.7	ML042B	8.1x8.1	Band 4 E-Dpx - very high isolation - Enterprise
836.5 / 881.5	B8112	i	25.00	1.9 / 2.1	QCT8E	1.8x1.4	Band 5 Dpx femtocell - Consumer
836.5 / 881.5	B8013	i	25.00	2.6 / 1.9	QCS9P	2.0x2.5	Band 5 Dpx Smallcells, high power - Industrial
836.5 / 881.5	D7900	i	25.00	3.0 / 2.8	ML042B	8.1x8.1	Band 5 E-Dpx - very high isolation - Enterprise
2535 / 2655	B8113	i	70.00	2.4 / 2.0	QCR8J	1.8x1.4	Band 7 Dpx femtocell - Consumer
2535 / 2655	B8043	i	70.00	2.1 / 1.9	QCS9P	2.0x2.5	Band 7 Dpx Smallcells - Industrial
897.5 / 942.5	B8048	i	35.00	1.6 / 1.9	QCS9P	2.0x2.5	Band 8 Dpx Smallcells, high power - Industrial
902 / 947	B8202	i	26.00	1.6 / 1.5	QCS9P	2.0x2.5	Band 8 _{CMCC} Dpx Smallcells - Industrial
707.5 / 737.5	B8012	i	17.00	2.4 / 1.8	QCS9P	2.0x2.5	Band 12 Dpx Smallcells, high power - Industrial
707.5 / 737.5	D7904	i	17.00	2.9 / 2.0	ML042B	8.1x8.1	Band 12 E-Dpx - very high isolation - Enterprise
782 / 751	B8005	i	10.00	1.9 / 1.6	QCS9P	2.0x2.5	Band 13 Dpx Smallcells, high power - Industrial
782 / 751	B8114	i	10.00	2.1 / 1.8	QCS8C	1.8x1.4	Band 13 Dpx femtocell - Consumer
782 / 751	D7901	i	10.00	2.9 / 2.6	ML042B	8.1x8.1	Band 13 E-Dpx - very high isolation - Enterprise
763 / 793	B8039	i	10.00	1.4 / 1.5	QCS9P	2.0x2.5	Band 14 Dpx for Public Safety - Industrial
763 / 793	F918	s	10.00	1.5 / 1.7	ML042B	8.1x8.1	Band 14 E-Dpx - very high isolation - Enterprise
847 / 806	B8030	i	30.00	2.1 / 2.1	QCS9P	2.0x2.5	Band 20 Dpx for Smallcell, high power - Industr.
718 / 773	B8035	i	30.00	2.2 / 2.0	QCS9P	2.0x2.5	Band 28a Dpx Smallcells, high power - Industr.
720.5 / 775.5	B8205	i	35.00	3.0 / 2.3	QCS9P	2.0x2.5	Band 28a _{+5MHz} Dpx Smallcells, high pwr - Ind.
733 / 788	B8036	i	30.00	2.8 / 1.9	QCS9P	2.0x2.5	Band 28b Dpx Smallcells, high power - Industr.
1745 / 2155	DK29	s	70 / 90	2.1 / 2.7	QCS9P	2.0x2.5	Band 66 Dpx Smallcells, high power - Industr.
2310 / 2355	DK30	s	10.00	2.1 / 2.1	QCS9P	2.0x2.5	Band 30 Dpx Smallcells, high power - Industr.

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Filters and Duplexers for M2M and IoT Applications

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Size mm ²	Application
452.40	B5365	i	4.80	2.0	DCC6C	3.0x3.0	LTE450 C-Band, TX filter
452.50	B8701	i	5.00	2.0	QCA9N	2.5x2.0	LTE450 C-Band, TX filter, small size
462.50	B5363	i	5.00	2.4	DCC6D	3.0x3.0	LTE450 C-Band, RX, 100 Ohms balanced
452.5 / 462.5	B8691	i	5.00	1.7 / 2.6	QCA9N	2.5x2.0	LTE450 C-Band, Dpx, 100 Ohms balanced RX
455.00	B8702	i	4.50	2.1	QCA9N	2.5x2.0	LTE Band 31 TX filter
465.00	B8359	i	5.00	1.9	QCV9I	2.0x1.6	LTE Band 31 RX, 100 Ohms balanced
455.0 / 465.0	B1220	i	5.00	1.8 / 2.7	QCA9N	2.5x2.0	LTE Band 31 Dpx, 100 Ohms balanced RX
707.5 / 737.5	B8040	i	17.00	2.0 / 2.2	QCU9L	2.0x1.6	LTE Band 12 Dpx, unbalanced RX
718.0 / 773.0	B8041	i	30.00	2.3 / 2.3	QCU9L	2.0x1.6	LTE Band 28a Dpx, unbalanced RX
733.0 / 788.0	B8042	i	30.00	2.1 / 2.3	QCU9L	2.0x1.6	LTE Band 28b Dpx, unbalanced RX
751.0 / 782.0	B8031	i	20.00	1.7 / 2.7	QCD9M	2.5x2.0	LTE Band 13 Dpx, NS07 rejection
699 - 3600	B8666	i	46.84	1.5	QLA10B	1.7x1.3	GPS/GNSS/Beidou extractor - Consumer
1575.42	B9457	i	2.40	0.5	QCS5U	1.4x1.1	GPS filter - Consumer, low loss
1582.47	B8813	i	46.84	1.2	QCT5F	1.1x0.9	GPS/GLONASS/COMPASS filter - Consumer
1582.47	B9621	i	46.84	1.4	QCS5P	1.4x1.1	GPS/GLONASS/COMPASS filter - Industrial
2311 / 2353	AR06A	s	13.00	2.1 / 3.0	QCT8E	1.8x1.4	LTE Band 30+75 Dpx, unbalanced RX
699 - 2690	B8688	i	79.50	1.85	QLA10Q	1.7x1.3	WiFi extractor, opt. for Low Band - Consumer
1427 - 2690	B1224	i	79.50	1.5	QLA10Q	1.7x1.3	WiFi extractor, opt. for High Band - Consumer
2442.00	B8328	i	79.00	1.65	QCR5S	1.4x1.1	WiFi Coexistence filter - Consumer
2442.00	B8857	i	79.00	1.6	QLA5A	1.1x0.9	WiFi Coexistence filter - Consumer
2442.00	B8873	i	79.00	2.0	QCR5D	1.1x0.9	WiFi Coexistence filter - Consumer
2442.00	B9634	i	84.00	1.9	QCU5S	1.4x1.1	WiFi Coexistence filter - Industrial
2442.00	B9645	i	84.00	1.5	QCU5G	1.1x0.9	WiFi Coexistence filter - Industrial
2535 / 2655	B8699	i	70.00	1.9 / 2.8	QCS8C	1.8x1.4	LTE Band 7 Dpx, 100Ohms balanced RX
2535 / 2655	AT42A	s	70.00	2.1 / 1.9	QCU9L	2.0x1.6	LTE Band 7 Dpx, unbalanced RX

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Band-stop Filters for Mobile TV, TV, Tuner and Set-Top-Box Applications

Passband MHz	Rejection band MHz	Type		Standard	Size	Features
0 - 790	832 - 862, 880 - 915	B1670	i	DVB-T VHF and UHF band	3.0 x 3.0 x 1.1 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
0 - 790	832 - 862, 880 - 915	B8746	i	DVB-T VHF and UHF band	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
0 - 785	791- 821, 832 - 862	B8732	i	DVB-T VHF and UHF band	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 75Ω. Low loss and low ripple.
0 - 686	703 - 862	B8734	i	DVB-T VHF and UHF band	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
0 - 710	718 - 748, 815 - 845, 900 - 915	B8733	i	ISDB-T 1 seg	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
470 - 710	815-915	B8731	i	ISDB-T 1 seg	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
470 - 710	718 - 748, 755 - 765, 815 - 845	B1676	i	ISDB-T 1 seg	3.0 x 3.0 x 1.1 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
470 - 710	815 - 845	B1671	i	ISDB-T 1 seg	3.0 x 3.0 x 1.1 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
470 - 770	824 - 840, 898 - 925	B8740	i	ISDB-T 1-seg	1.4 x 1.1 x 0.4 mm ³	Single ended operation at 50Ω. Low loss and low ripple. Suppression at 1.4279 GHz
470 - 686	699 - 862	B1679	i	DVB-T UHF band	3.0 x 3.0 x 1.1 mm ³	Single ended operation at 50Ω. Low loss and low ripple.
470 - 786	791- 821, 832 - 862	B1678	i	DVB-T UHF band	3.0 x 3.0 x 1.1 mm ³	Single ended operation at 75Ω. Low loss and low ripple.

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