

SAW DEVICE SELECTION TABLE

for

Industrial Electronics

(including Infrastructure Systems, IoT and Multimedia)

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Basestation RF Filters

Center Frequency MHz	Type		Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Band Rej. Rejection dB	Package	Size mm ²	Application
412.50	B5617	i	5.00	13.00	1.4	35	DCC6C	3.0x3.0	Band 87 UL
453.00	B5640	i	6.00	10.00	1.8	30	DCC6C	3.0x3.0	Band 72+73 UL
455.00	B5336	i	5.00	10.00	1.6	44	DCC6C	3.0x3.0	Band 31 UL
634.50	B5601	i	35.00	70.00	3.1	35	DCC6C	3.0x3.0	Band 71 DL
634.50	B5384	i	35.00	70.00	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
689.50	B5627	i	53.00	90.00	3.0	25	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	B5605	i	17.00	32.00	2.2	40	DCC6C	3.0x3.0	Band 12 DL
743.00	B5632	i	52.00	100.00	3.1	35	DCC6C	3.0x3.0	Bd 12+14+29 DL
751.00	B5344	i	10.00	24.00	1.7	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
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
717.00	B5657	i	38.00	55.00	1.3	40	DCC6C	3.0x3.0	Band 68+PPDR
718.00	B5631	i	30.00	40.00	1.6	30	DCC6C	3.0x3.0	Band 28a UL
725.50	B5328	i	45.00	60.00	2.5	35	DCC6C	3.0x3.0	Band 28 UL
780.50	B5393	i	45.00	60.00	2.5	35	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
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
831.50	B5634	i	35.00	50.00	1.3	40	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
836.50	M5250	s	25.00	40.00	1.4	50	MP050H	1.4x1.1	Band 5 UL
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
897.50	B5340	i	35.00	50.00	2.2	60	DCC6C	3.0x3.0	Band 8 UL
897.50	B5626	i	35.00	50.00	2.1	73	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
942.50	B5182	i	35.00	50.00	2.5	33	DCC6C	3.0x3.0	Band 8 DL
1230.00	B5646	i	80.00	180.00	2.4	40	DCC6C	3.0x3.0	GNSS
1446.45	B5128	i	37.10	80.00	2.5	50	DCC6C	3.0x3.0	Band 11+21 UL
1475.00	B5608	i	110.00	200.00	2.5	35	DCC6C	3.0x3.0	Band n75+n76

s: samples available (not yet in production)
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Basestation RF Filters (cont.)

Center Frequency MHz	Type		Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Band Rej. Rejection dB	Package	Size mm ²	Application
1747.50	B5364	i	75.00	90.00	2.6	58	DCC6C	3.0x3.0	Band 3 UL
1747.50	B5625	i	75.00	95.00	2.5	50	DCC6C	3.0x3.0	Band 3 UL
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 DL
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	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	B5624	i	60.00	100.00	2.3	50	DCC6C	3.0x3.0	Band 1 UL
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 DL ext.
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
2355.00	B5356	i	10.00	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
2350.00	B5133	i	100.00	n/a	2.0	30	DCC6C	3.0x3.0	Band 40
2593.00	B5337	i	194.00	360.00	2.7	34	DCC6C	3.0x3.0	Band 41
2595.00	B5308	i	50.00	130.00	1.9	35	DCC6C	3.0x3.0	Band 38
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
3600.00	B5638	i	400.00	600.00	4.0	25	DCC6C	3.0x3.0	Band n78 part.
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
3840.00	B5659	i	280.00	500.00	3.6	30	DCC6C	3.0x3.0	C-Band (US)
3900.00	FK10A	s	200.00	500.00	2.7	30	DCC6C	3.0x3.0	Band n77 part.
4500.00	DK34	s	200.00	500.00	1.8	30	DCC6C	3.0x3.0	Band n79 part.
5250.00	B5656	i	200.00	400.00	2.9	30	DCC6C	3.0x3.0	Band 46 partial
5800.00	B5647	i	150.00	400.00	2.1	30	DCC6C	3.0x3.0	Band 46 partial

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Dualband Filters, Tripleband 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
694.5/782	B5635	i	43 / 10	n/a	3.0 / 3.3	25	DCC6C	3.0x3.0	Triplebd71+12+13
689.5/782	B5644	i	53 / 10	70 / 40	2.7 / 2.4	25	DCC6C	3.0x3.0	Triplebd71+12+13
689.5/820.5	B5630	i	53 / 7	70 / 40	2.5 / 2.0	25	DCC6C	3.0x3.0	Triplebd71+12+26
634.5/737	FK71B	s	35 / 18	70 / 40	2.7 / 2.5	27	DCC6C	3.0x3.0	Dualbd 71+85 DL
707 / 793	B5399	i	16 / 10	30 / 30	1.9 / 2.1	31	DCC6D	3.0x3.0	Bd 12+14 Diplex.
743.00	B5632	i	52.00	100.00	3.1 / 3.6	35	DCC6C	3.0x3.0	Tripl.12+14+29 DL
718 / 847	B5394	i	30 / 30	50 / 50	2.6 / 2.6	30	DCC6C	3.0x3.0	Dualband 20+28a
718 / 873.5	B5661	i	30 / 83	45 / 100	2.3 / 3.0	25-30	DCC6D	3.0x3.0	Triplebd 28a+20+8
725.5/847	B5372	i	45 / 30	60 / 60	2.4 / 1.7	30	DCC6C	3.0x3.0	Dualband 20+28
725.5/836.5	B5633	i	45 / 25	55 / 45	2.4 / 1.6	40	DCC6C	3.0x3.0	Dualband 5+28
725.5/897.5	BK84B	s	45 / 35	60 / 55	1.3 / 2.0	40	DCC6D	3.0x3.0	Bd 8+28 Diplexer
725.5/902.5	B5643	i	45 / 25	60 / 40	2.1 / 2.1	40	DCC6C	3.0x3.0	Dualband 8+28
740/829/905	B5642	i	15/11/20	30/30/50	2.5/2.8/3.6	30	DCC6C	3.0x3.0	Triplebd 5+8+28
781.5/836.5	B5602	i	11 / 25	30 / 50	1.2 / 1.6	40	DCC6D	3.0x3.0	Bd 5+13 Diplex.
781.5/680.5	B5629	i	11 / 35	30 / 50	1.8 / 2.5	36	DCC6C	3.0x3.0	Dualband 13+71
795.5/874.5	B5637	i	17 / 13	40 / 45	1.7 / 2.0	43	DCC6C	3.0x3.0	Dualb.B26+28 DL
847/897.5	B5628	i	30 / 35	40 / 50	1.9 / 2.1	30	DCC6C	3.0x3.0	Dualband B20+8
1747 / 1950	B5621	i	75 / 60	96 / 105	3.0 / 2.8	30	DCC6C	3.0x3.0	Dualband B1+3
1747 / 1950	B5389	i	75 / 60	100 / 105	2.2 / 2.3	37	DCC6D	3.0x3.0	Bd 1+3 Diplexer
1842.5/2140	FK46A	s	75 / 60	100 / 90	2.2 / 2.5	35	DCC6C	3.0x3.0	Dualbd B1+3 DL
1745/1882.5	B5392	i	70 / 65	100 / 90	2.0 / 2.4	35	DCC6D	3.0x3.0	Bd 25+66 Diplex.
1745/1882.5	B5622	i	70 / 65	90 / 80	2.4 / 2.2	40	DCC6D	3.0x3.0	Bd 25+66 Diplex.
1962.5/2155	FK45A	s	65 / 90	100 / 115	2.1 / 2.0	40	DCC6C	3.0x3.0	Dualb.B25+66 DL
1747.5/2535	FK40	s	75 / 70	100 / 120	1.8 / 2.4	30	DCC6D	3.0x3.0	Bd 3+7 Diplexer

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Trunked Radio and SatCom Filters

Center Frequency MHz	Type		Usable Passband MHz	Bandwidth 20dB MHz	Insertion Attenuation dB	Out of Band Rejection dB	Package	Size mm ²	Application
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
417.50	B5335	i	25.00	50.00	3.0	40	QCC8B	3.8x3.8	TETRA
440.50	B5173	i	15.00	25.00	1.9	40	QCC8B	3.8x3.8	DMR/PMR
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
772.00	B5648	i	6.00	12.00	1.8	40	QCC8E	3.0x2.5	LMR700
772.00	B5660	i	6.00	16.00	2.2	40	DCC6C	3.0x3.0	LMR700
772 / 860.5	B5639	i	6 / 19	21 / 46	1.8 / 1.4	50	QCC8E	3.0x2.5	iDEN/APCO
815.50	B5046	i	19.00	46.00	2.6	40	DCC6D	3.0x3.0	TETRA/iDEN
855.50	B5650	i	9.00	18.00	2.0	40	DCC6C	3.0x3.0	LMR800
856.50	B5649	i	11.00	29.00	2.0	40	QCC8E	3.0x2.5	LMR800
1538.50	B5367	i	41.00	75.00	3.5	44	DCC6C	3.0x3.0	SatCom
1541.50	B5373	i	35.00	55.00	3.3	50	DCC6C	3.0x3.0	SatCom
1650.75	B5143	i	48.50	85.00	2.9	45	DCC6C	3.0x3.0	SatCom

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Filters and extractors for GNSS

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB, typ	Insertion Attenuation dB, max	Package	Size mm ²	Comments
1572.50	B7561	i	67.00	1.1 - 1.7	1.5 - 2.5	QCR5D	1.1x0.9	L and L1 band; low GDR
1582.50	B7560	i	47.00	1.7	2.0 - 2.4	QCR5D	1.1x0.9	L1 band; very low GDR
1583.00	B7504	i	47.00	0.9 - 1.2	1.4 - 2.0	DLA4N	0.9x0.7	L1 band; low I.A. with high attenuation
1583.00	B8813	i	47.00	0.85 - 1.2	1.4 - 1.9	QCT5F	1.1x0.9	L1 band; low insertion attenuation
1583.00	B8313	i	47.00	0.8 - 1.3	1.3 - 2.0	QCS5U	1.4x1.1	L1 band; low insertion attenuation
1583.00	B9621	i	47.00	1.0 - 1.4	1.4 - 2.4	QCS5P	1.4x1.1	L1 band; industrial grade
1176.00	B7505	i	20.00	0.9	1.3	DLA4N	0.9x0.7	L5, E5a, low insertion attenuation
1176.00	B8884	i	20.00	1.0	1.6	QCT5F	1.1x0.9	L5, E5a, low insertion attenuation
1176.45	B7525	i	20.00	1.3	1.6	QCT5F	1.1x0.9	L5
1197.00	B8889	i	62.00	0.9 - 1.4	1.3 - 2.6	QCR5D	1.1x0.9	L2+L5, E5a, E5b, G3, B2-1
1199.00	B7562	i	66.00	1.5	2.2	QCR5D	1.1x0.9	L5, E5a, E5b, G3, B2-1, L2; low GDR
1225.00	B2642	i	118.00	1.1 - 2.2	1.5 - 2.4	QCS5P	1.4x1.1	L2, G2, B3-1, E6+L5, E5a, E5b, G3, B2-1
1176.00	B1267	i	20.00	1.2	2.2	QLC10G	1.5x1.1	diplexer for L1+L5, E5a
1583.00			47.00	1.2 - 1.5	1.5 - 2.2			
1197.00	B9973	i	62.00	1.2 - 1.7	2.0 - 2.1	QLC10G	1.5x1.1	diplexer for L1+L2+L5, E5a, E5b, G3, B2-1
1583.00			47.00	1.3 - 1.6	1.7 - 2.0			
1176.45	B8389	i	20.46	1.0	1.6	QCR5G	1.4x1.1	double hump filter for L1+L5, low GDR
1583.00			48.00	1.8	2.5			
	B8666	i	47.00	0.8 - 1.5	1.5 - 3.5	QLA10B	1.7x1.3	L1 GPS/Glonass/ Beidou extractor
	B8939	i	47.00	0.8 - 1.6	1.5 - 4.1	QLC10M	1.5x1.1	L1 GPS/Glonass/ Beidou extractor
	B8937	i	20.00	1.0	2.1	QLC10L	1.5x1.1	L5 GPS/Glonass/ Beidou extractor

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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
1890.00	B9479	i	20.00	2.1	QCS5I	1.1x1.4	DECT Europe Rx/Tx filter - Consumer
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
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	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
2155.00	B9642	i	90.00	2.4	QCS5P	1.1x1.4	Band 66 Downlink filter - Industrial
3550.00	B9648	i	300.00	3.1	QCS5P	1.1x1.4	Band 78 Receive filter - Industrial
3350 / 3750	B9729	i	100.00	1.5 / 1.9	QCV8A	1.4x1.8	Band 78 Receive filter - Industrial
2345.00	B9637	i	50.00	2.1	QCS5P	1.1x1.4	Band 40 _{50MHz} - Post PA filter - Industrial
2345.00	B8364	i	50.00	1.7	QLA3E	1.6x2.0	Band 40 _{50MHz} - Post PA filter - Consumer
2335.00	B9635	i	70.00	1.9	QCS5P	1.1x1.4	Band 40 _{70MHz} - Post PA filter - Industrial
2335.00	B9647	i	70.00	1.3	QCD9U	1.6x2.0	Band 40 _{70MHz} - Post PA filter - Industrial
2345.00	B9682	i	90.00	2.2	QCD9U	1.6x2.0	Band 40 - Post PA filter - Industrial
2593.00	B9650	i	194.00	2.2	QCU5U	1.1x1.4	Band n41 - Receive - Industrial
2593.00	MQ58	s	194.00	2.0	MP090E	1.6x2.0	Band n41 - Post PA - Industrial
2595.00	B9652	i	160.00	1.7	QCS5P	1.1x1.4	Band n41 _{160MHz} - Receive - Industrial
2595.00	B9685	i	160.00	2.7	QCD9U	1.6x2.0	Band n41 _{160MHz} - Post PA filter - Industrial
3450.00	MQ46	s	300.00	2.3	MP090E	1.6x2.0	Band n78 _{partial} - Post PA filter - Industrial
3625.00	B9641	i	150.00	2.1	QCS5P	1.1x1.4	Band n48 - Uplink filter - Industrial
3625.00	B9651	i	150.00	3.2	QCE9C	1.6x2.0	Band n48 - Post PA filter - Industrial
3840.00	MQ83	s	280.00	2.5	MP090E	1.6x2.0	Band n77 _{partial} - Post PA filter - Industrial

s: samples available (not yet in production)

o: obsolete (not for new designs)

i: data sheet is available in Internet

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

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Size mm ²	Application
1950 / 2140	B8203	i	60.00	2.1 / 1.6	QCS9P	2.0x2.5	Band 1 Dpx Smallcells, high isolation - Industr.
1950 / 2140	D7910	i	60.00	3.0 / 2.6	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
1880 / 1960	B8024	i	60.00	2.0 / 2.0	QCD9B	2.0x2.5	Band 2 Dpx Smallcells, BAW - Industrial
1722.5 / 1817.5	B8212	i	50.00	1.2 / 1.7	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
1760 / 1855	B8210	i	50.00	1.8 / 1.8	QCS9P	2.0x2.5	Band 3_{partial} Dpx Smallcells - Industrial
1732.5 / 2132.5	B8033	i	45.00	2.1 / 1.7	QCS9P	2.0x2.5	Band 4 Dpx Smallcells, high power - Industrial
836.5 / 881.5	B8013	i	25.00	2.6 / 1.9	QCS9P	2.0x2.5	Band 5 Dpx Smallcells, high power - Industrial
2535 / 2655	B8043	i	70.00	2.1 / 1.9	QCS9P	2.0x2.5	Band 7 Dpx Smallcells - Industrial
2535 / 2655	D7908	i	70.00	2.8 / 2.7	ML042B	8.1x8.1	Band 7 E-Dpx - very high isolation - Enterprise
897.5 / 942.5	B8048	i	35.00	1.6 / 1.9	QCS9P	2.0x2.5	Band 8 Dpx Smallcells, high power - Industrial
897.5 / 942.5	D7905	i	35.00	2.2 / 2.5	ML042B	8.1x8.1	Band 8 E-Dpx - very high isolation - Enterprise
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
763 / 793	B8039	i	10.00	1.4 / 1.5	QCS9P	2.0x2.5	Band 14 Dpx for Public Safety - Industrial
763 / 793	D7909	i	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.
831.5 / 876.5	B8209	i	35.00	1.2 / 1.6	QCS9P	2.0x2.5	Band 26 Dpx Smallcells, 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.
725.5 / 780.5	B8216	s	45.00	2.1 / 2.3	QCE9E	2.0x2.5	Band 28 Dpx Smallcells, high power - Industrial
2310 / 2355	B8207	i	10.00	2.1 / 2.1	QCS9P	2.0x2.5	Band 30 Dpx Smallcells, high power - Industr.
1745 / 2155	B8206	i	70 / 90	1.9 / 2.4	QCS9P	2.0x2.5	Band 66 Dpx Smallcells, high power - Industr.
680.5 / 634.5	B8213	i	35.00	1.7 / 1.6	QCS9P	2.0x2.5	Band 71 Dpx Smallcells, high power - Industrial

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

Filters and Duplexers for M2M and IoT Applications

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Size mm ²	Application
412.50	B8705	i	5.00	1.5	QCA9N	2.5x2.0	LTE Band 87 Tx filter
413.50	B8704	i	7.00	1.6	QCA9N	2.5x2.0	LTE Band 87/88 Tx filter
423.50	B8383	i	7.00	1.7	QCV9I	2.0x1.6	LTE Band 87/88 Rx, 100 Ohms balanced
412.5 / 422.5	B1298	i	5.00	2.0	QCA9N	2.5x2.0	LTE Band 87 Dpx, 100 Ohms balanced RX
452.40	B5365	i	4.80	2.0	DCC6C	3.0x3.0	LTE Band 73 TX filter
452.50	B8701	i	5.00	2.0	QCA9N	2.5x2.0	LTE Band 73 TX filter, small size
462.50	B5363	i	5.00	2.4	DCC6D	3.0x3.0	LTE Band 73 RX, 100 Ohms balanced
452.5 / 462.5	B8691	i	5.00	1.7 / 2.6	QCA9N	2.5x2.0	LTE Band 73 Dpx, 100 Ohms balanced RX
453.50	B8703	i	5.00	1.5	QCA9N	2.5x2.0	LTE Band 72 TX filter
463.50	B8372	i	5.00	1.8	QCV9I	2.0x1.6	LTE Band 72 RX, 100 Ohms balanced
453.5 / 463.5	B1281	i	5.00	1.4 / 2.6	QCA9N	2.5x2.0	LTE Band 72 Dpx, 100 Ohms balanced RX
455.00	B8702	i	4.50	2.1	QCA9N	2.5x2.0	LTE Band 31 TX filter
453.75	B8706	i	7.50	2.1	QCA9N	2.5x2.0	LTE Band 31/72/73 TX filter
465.00	B8359	i	5.00	1.9	QCV9I	2.0x1.6	LTE Band 31 RX, 100 Ohms balanced
464.25	B8384	i	6.50	1.6	QCV9I	2.0x1.6	LTE Band 31/72 RX, unbalanced
455.0 / 465.0	B1220	i	5.00	1.8 / 2.7	QCA9N	2.5x2.0	LTE Band 31 Dpx, 100 Ohms balanced RX
455.0 / 465.0	B1259	o	5.00	1.3 / 2.0	QCA9N	2.5x2.0	LTE Band 31 Dpx, unbal, low loss
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	o	20.00	1.7 / 2.7	QCD9M	2.5x2.0	LTE Band 13 Dpx, NS07 rejection
831.5 / 876.5	B8970	i	35 / 35	1.6 / 2.2	QLA15G	3.0x2.0	LTE Band 26 + Band 71 Quadplexer
680.5 / 634.5			35 / 35	1.6 / 1.7			
751.0 / 782.0	BB81	s	9.3 / 10	2.0 / 1.3	QLA15H	2.5x2.0	LTE Band 26 + Band 13 (NS07) Quadplexer
831.5 / 876.5			34 / 34	1.8 / 1.6			
881.5 / 742.5	B9988	i	25 / 27	1.7 / 2.7	QCR10I	1.5x1.1	LTE 2in1 Band 5+12/13 RX, unbalanced
1474.00	B8844	i	44.00	1.7	QCT5F	1.1x0.9	LTE Band 32 RX filter
1672.50	B8392	i	5.00	2.4	DCR5G	1.4x1.1	TDD Filter, private networks
1747.5/1842.5	B8208	i	75.00	2.0 / 2.7	QCU9M	2.0x1.6	LTE Band 3 Dpx, unbalanced RX - Industrial
2535 / 2655	B8699	o	70.00	1.9 / 2.8	QCS8C	1.8x1.4	LTE Band 7 Dpx, 100Ohms balanced RX
2512.00	B9649	i	72.00	1.4	QCS5P	1.4x1.1	TD-LTE Band 41 Tx post PA filter - Industrial
2600.00	B9646	i	110.00	1.7	QCS5P	1.4x1.1	

WiFi and Bluetooth Filters

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Size mm ²	Application
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
2442.00	B7509	i	77.80	1.1 - 1.7	QLB5B	1.1x0.9	WiFi superior coexistence filter - Consumer
2442.00	B7530	i	77.80	0.6 - 1.0	DLA4S	0.9x0.7	WiFi superior coexistence filter - Consumer
2441.00	B7506	i	79.00	1.1	QCR5D	1.1x0.9	WiFi filter - Consumer, optimized for Bluetooth
2448.00	B7511	i	91.00	1.4	QCU5W	1.1x0.9	WiFi filter - band-edge CH1..CH14
2437.00	B7539	i	67.80	1.0	QCR5D	1.1x0.9	WiFi filter - band-edge CH1..CH11
2441.20	B7520	i	79.40	1.2	QCR5D	1.1x0.9	WiFi Coexistence filter - Cons., self-matched
2441.75	B8371	i	83.50	1.6	QCR5G	1.4x1.1	WiFi filter - Consumer, optimized for Bluetooth
2442.00	B7544	i	77.80	1.6	DLA4E	0.9x0.7	WiFi Coexistence filter - Cons., self-matched
2431.50	B7563	i	63.00	1.5	DLA4E	0.9x0.7	WiFi Coexistence filter - Cons., self-matched
2423.5/2466.5	B9964	i	47/29	1.7/2.1	QCT10V	1.7x1.3	2in1 WiFi filter CH1/CH6 + CH11 - Consumer
2423.5/2466.5	B9780	i	47/29	1.9/2.1	QCW9F	2.5x2.0	2in1 WiFi filter CH1/CH6 + CH11 - Industrial
2414/2480	B9965	i	26/2.0	1.8/2.5	QCT10K	1.5x1.1	2in1 Bluetooth filter CH37/38 + CH39 - Cons.
2414/2480	B9757	i	26/2.0	1.8/2.0	QCS10W	1.5x1.1	2in1 Bluetooth filter CH37/38 + CH39 - Ind.
5250.00	B8377	i	160.00	1.5	QLC5M	1.4x1.1	WiFi Coexistence filter UNII1-2a - Consumer
5692.50	B8378	i	405.00	1.8	QLC5N	1.4x1.1	WiFi Coexistence filter UNII2c-4 - Consumer
5497.50	B8381	i	655.00	2.3	QLD5D	1.4x1.1	WiFi Coexistence filter UNII 1-3 - Consumer
5502.50	B7540	i	665.00	2.2	QLC5K	1.1x0.9	WiFi Coexistence filter UNII 1-3 - Consumer
5532.50	B8379	i	725.00	2.6	QLC5R	1.4x1.1	WiFi Coexistence filter UNII 1-4 - Consumer
6535.00	B8380	i	1180.00	2.5	QLE8N	1.8x1.4	WiFi Coexistence filter UNII 5-8 - Consumer

Filters for IoT and Industrial Application (ISM)

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Size mm ²	Application
169.50	B3942	i	0.20	1.9	QCC8C	5.0x5.0	
345.00	B3408	i	0.80	2.5	DCC6C	3.0x3.0	
428.00	B3411	i	16.00	2.0	DCC6C	3.0x3.0	
433.42	B3735	i	0.32	2.2	DCC6E	3.0x3.0	
433.92	B3710	i	1.70	2.0	DCC6C	3.0x3.0	
845.00	B3438	i	12.00	1.4	DCC6C	3.0x3.0	
866.50	B4377	i	7.00	2.3	QCS5P	1.1x1.4	
866.50	B3717	i	7.00	2.2	DCC6C	3.0x3.0	
866.50	B3420	i	7.00	1.8	DCC6C	3.0x3.0	high power version of B3717
866.50	B9972	i	7.00	2.6	QCU10M	1.1x1.5	868+915 MHz diplexer
868.00	B3430	i	10.00	2.0	DCC6C	3.0x3.0	
868.30	B3734	i	0.30	3.2	DCC6E	3.0x3.0	
868.30	B3744	i	0.60	3.0	QCR5D	3.0x3.0	
868.60	B3746	i	1.20	2.6	DCC6E	3.0x3.0	
868.95	B3941	i	0.50	3.2	DCC6E	3.0x3.0	
869.00	B2600	i	14.00	1.6	QCS5P	1.1x1.4	
869.00	B4365	i	2.00	2.5	QCS5P	1.1x1.4	superior LTE coexistence (B20 Tx) and low IL
869.00	B3440	i	2.00	2.6	DCC6C	3.0x3.0	superior LTE coexistence (B20 Tx) and low IL
869.00	B4316	i	2.00	2.0	QCS5P	1.1x1.4	
869.00	B3715	i	2.00	2.6	DCC6C	3.0x3.0	
869.00	B3716	i	2.00	2.5	DCC6C	3.0x3.0	GSM attenuation
869.00	B2636	i	2.00	2.7	QCS5P	1.1x1.4	high attenuation @ 862 MHz and 25 °C
869.00	B3725	i	2.00	2.5	DCC6C	3.0x3.0	improved nearby attenuation
869.00	B2674	i	2.00	1.8	QCS5I	1.1x1.4	
872.00	B3443	i	8.00	3.0	DCC6C	3.0x3.0	wideband filter, superior LTE coexistence(B20Tx)
908.42	B3943	i	0.30	2.9	DCC6E	3.0x3.0	Z-Wave

s: samples available (not yet in production)
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Filters for IoT and Industrial Application (ISM) (cont.)

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Size mm ²	Application
915.00	B4344	i	26.00	2.8	QCS5P	1.1x1.4	high attenuation @ 894 MHz (LTE B5/26)
915.00	B3728	i	26.00	2.2	DCC6C	3.0x3.0	
915.00	B2671	i	26.00	1.5	QCR5D	0.9x1.1	
915.00	B2672	i	26.00	1.1	QCS5I	1.1x1.4	low insertion loss
915.00	B4379	i	26.00	1.9	QCR5N	0.9x1.1	
915.00	B2625	i	26.00	1.7	QCS5P	1.1x1.4	Top, max = 125 °C; high out of band attenuation
915.00	B4301	i	26.00	1.5	QCS5P	1.1x1.4	high out of band attenuation
915.00	B3435	i	26.00	1.6	DCC6C	3.0x3.0	se/bal pin configuration
915.00	B9972	i	26.00	1.9	QCU10M	1.1x1.5	868+915 MHz diplexer
915.00	B3726	i	10.00	2.6	DCC6C	3.0x3.0	
915.00	B3434	i	10.00	2.2	DCC6C	3.0x3.0	steeper skirts than B3726
915.70	B3432	i	5.80	0.6	DCC6C	3.0x3.0	low insertion loss
916.00	B9660	i	3.50	2.4	QCS5P	1.1x1.4	
916.00	B3718	i	3.50	2.4	DCC6C	3.0x3.0	
921.42	B3949	i	0.30	3.2	DCC6E	3.0x3.0	Z-Wave
921.50	B2615	i	13.00	1.4	QCS5P	1.1x1.4	Australia
922.50	B2619	i	5.00	1.4	QCS5P	1.1x1.4	Hong Kong
922.50	B3407	i	5.00	1.5	DCC6C	3.0x3.0	Hong Kong
924.00	B3945	i	1.20	2.7	DCC6E	3.0x3.0	New Zealand
924.15	B3419	i	7.10	2.0	DCC6C	3.0x3.0	
924.50	B2616	i	5.00	2.1	QCS5P	1.1x1.4	New Zealand
925.00	B3919	i	3.20	1.4	DCC6C	3.0x3.0	Japan
925.15	B4336	i	5.90	1.7	QCS5P	1.1x1.4	Japan
925.15	B8331	i	5.90	1.8	QCS5I	1.1x1.4	Japan
925.20	B2645	i	5.80	1.3	QCS5P	1.1x1.4	Japan
925.20	B3926	i	5.80	1.4	DCC6C	3.0x3.0	Japan
925.20	B3916	i	5.80	0.6	DCC6C	3.0x3.0	Japan - low insertion loss
925.20	B3921	i	5.80	1.6	DCC6C	3.0x3.0	Japan - high selectivity
925.40	B3446	i	4.70	2.0	DCC6C	3.0x3.0	superior LTE coexistence

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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 - 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	o	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 - 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.

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

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