



RF360 Europe GmbH
A Qualcomm – TDK Joint Venture

SDST (SAW DEVICE SELECTION TABLE)

SAW RF filter and resonator

Automotive Electronics

Automotive Applications: Remote Keyless Entry Systems
Tire Pressure Monitoring Systems
Automotive Telematics Applications
GPS in Automotive Applications
Digital Radio Applications

Non Automotive Applications: Garage Door Openers
Wireless Switches & Smart Home Applications
Smart Grid Applications
Wireless Audio Applications
Security and Alarm Systems
Wireless Access & Tagging Systems
Medical Applications

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Narrowband Filter for ISM (high temperature stability)

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Feature	DS link
169.5	B39171 B3942 U310		0.20	1.9	5*5		B3942
313.15			0.20	2.6			
314.00	B39311 B3534 A410		0.20	2.7	3.8*3.8	Triplexer	B3534
314.925			0.39	2.7			
313.15	B39311 B3535 A410		0.20	2.3	3.8*3.8	Diplexer	B3535
314.00			0.20	2.3			
313.15	B39311 B3538 H110		0.18	2.6	3*3	Diplexer	B3538
314.00			0.18	2.3			
313.85	B39314 B3931 H110		0.76	2.3	3*3	Wide passband	B3931
313.85	B39311 B3768 Z810		0.36	1.9	3.8*3.8		B3768
313.15	B39311 B3955 H110	o	0.18	2.2	3*3	Comb filter	
314.00			0.18	2.2			
313.85	B39321 B3787 A410		0.76	2.6	3.8*3.8	Comb filter	B3787
315.00			0.36	2.7			
313.85	B39321 B3958 H110	o	0.76	2.6	3*3	Comb filter	
315.00			0.36	2.7			
314.45	B39311 B3950 H110		1.10	2.2	3*3		B3950
314.45	B39311 B3784 Z810		1.10	1.9	3.8*3.8		B3784
314.90	B39311 B3739 H110		0.36	2.3	3*3		B3739
315.00	B39321 B3741 H110		0.36	2.1	3*3		B3741
315.00	B39321 B3761 Z810		0.36	1.9	3.8*3.8		B3761
315.00	B39321 B3781 Z810		0.55	1.7	3.8*3.8		B3781
315.00	B39321 B3783 Z810		1.10	1.9	3.8*3.8		B3783
400.00	B39401 B3742 H110		0.25	2.3	3*3		B3742
426.08	B39431 B3770 Z810		0.15	2.0	3.8*3.8		B3770
433.20			0.18	2.8			
433.92	B39431 B3532 A410		0.26	2.9	3.8*3.8	Triplexer	B3532
434.64			0.18	2.9			
433.20	B39431 B3537 H110		0.18	2.3	3*3	Diplexer	B3537
434.64			0.18	2.3			
433.20	B39431 B3533 A410		0.18	2.3	3.8*3.8	Diplexer	B3533
434.64			0.18	2.4			
433.42	B39431 B3735 H110		0.36	2.1	3*3		B3735
433.42	B39431 B3791 Z810		0.24	3.8	3.8*3.8	external coupling coil; high ultimate rejection	B3791
433.58	B39431 B3536 A410		0.30	2.5	3.8*3.8	Diplexer	B3536
434.30			0.30	2.6			
433.60	B39431 B3953 H110		0.6	2.1	3*3		B3953
433.92	in dev.	new	0.36	0.6-1.2	2.5*2.0		
433.92	B3301	new	0.34	1.9	3*3	2-5 pinning	B3301
433.92	B39431 B3732 H110		0.36	2.4	3*3	high selectivity at fc-2 MHz	B3732
433.92	B39431 B3743 H110		0.34	1.9	3*3	low insertion attenuation	B3743
433.92	B39431 B3760 Z810		0.36	1.9	3.8*3.8		B3760
433.92	B39431 B3774 Z810		0.36	2.4	3.8*3.8	high selectivity at fc-2 MHz	B3774
433.92	B39431 B3790 Z810		0.12	3.6	3.8*3.8	external coupling coil; high ultimate rejection	B3790
433.92	B39431 B3780 Z810		0.55	2.0	3.8*3.8		B3780
433.92	B39431 B3782 Z810		1.10	2.2	3.8*3.8	high usable bandwidth	B3782
433.92	B39431 B3951 H110		1.10	2.2	3*3		B3951

o: obsolete (not for new designs)

Narrowband Filter for ISM (high temperature stability)

Center Frequency MHz	Type	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Feature	DS link
433.92	B39431 B3933 H110	0.12	3.1	3*3	high nearby rejection	B3933
433.92	B39431 B3935 H110	1.06	2.2	3*3	high usable bandwidth	B3935
433.92	B39431 B3936 H110	0.55	2.2	3*3		B3936
434.17	B39431 B3932 H110	0.78	2.4	3*3		B3932
434.42	B39431 B3733 H110	0.36	2.1	3*3	high selectivity at fc-2 MHz	B3733
434.42	B39431 B3748 H110	0.36	1.9	3*3		B3748
868.30	B39871 B3734 H110	0.30	3.2	3*3	high RFID rejection	B3734
868.30	B39871 B3744 H110	0.60	3.0	3*3		B3744
868.60	B39871 B3746 H110	1.20	2.6	3*3		B3746
868.95	B39871 B3941 H110	0.50	3.2	3*3		B3941
869.30	B39871 B3749 H110	1.40	2.7	3*3		B3749
902.875	B39901 B3934 H110	1.55	2.4	3*3		B3934
916.50	B39921 B3300 H110	1.20	2.7	3*3		B3300
921.42	B39921 B3949 H110	0.30	3.4	3*3	Z-Wave	B3949
924.15	B39921 B3419 U410	7.10	2.0	3*3	low IL; low amplitude ripple	B3419
928.35	B39931 B3758 H110	0.50	3.6	3*3		B3758

o: obsolete (not for new designs)

Wideband Filter for ISM

Center Frequency MHz	Type	Remark	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Feature	DS link
313.60	B39311B3403H110		3.3	1.5	3*3	50Ω; pinning 1-4	B3403
313.85	B39311B3713U410		0.60	1.7	3*3	50Ω	B3713
313.85	B39311B3729H110		1.0	1.5	3*3	50Ω; pinning 1-4	B3729
314.35	B39311B3714U410		0.60	1.9	3*3	50Ω	B3714
314.45	B39182B2607P810	new	1.3	1.1	1.8*1.4	Filter with focus on harmonics suppression and very low IL	B2607
315.00	B39321B3719H110		1.0	1.4	3*3	50Ω; pinning 1-4	B3719
315.00	B39321B3722U410		1.0	1.5	3*3	50Ω	B3722
315.00	B39321B3905U510		1.0	1.3	3*3	50Ω se/200Ω bal	B3905
345.00	B39351B3408U410		0.8	2.5	3*3	50Ω	B3408
428.00	B39431B3411U410		16.0	2.0	3*3	50Ω	B3411
433.92	B39182B2608P810	new	1.3	1.1	1.8*1.4	Filter with focus on harmonics suppression and very low IL	B2608
433.92	B39431B3710U410		1.7	2.0	3*3	50Ω	B3710
433.92	B39431B3721U410		1.6	2.6	3*3	50Ω; high selectivity	B3721
433.92	B39431B3727H110		1.7	2.8	3*3	50 Ω, pinning 1-4, high nearby rejection	B3727
433.92	B39431B3900U410		0.4	1.2	3*3	50Ω	B3900
433.92	B39431B3925U410		0.4	1.7	3*3	50Ω; high nearby rejection	B3925
433.92	B39431B3402H110		0.3	1.7	3*3	50Ω; pinning 1-4	B3402
447.70	B39451B3907U410		1.6	3.0	3*3	50Ω	B3907
454.50	B39451B3422U410		2.0	2.8	3*3	50Ω	B3422
480.00	B39481B3427U410	special	20.0	1.7	3*3	Rx co-design with Tx B3426 for duplexing	B3427
505.00	B39511B3426U410	special	10.0	1.7	3*3	Tx co-design with Rx B3427 for duplexing	B3426
480 / 505	in dev.	new	20 / 10	2.0 / 2.0	2.5*2.0	Duplexer	
760.00	B39761B3445U510	special	8.3	2.3	3*3	50Ω; High out-of-band attenuation; Temperature compensation	B3445
760.00	B39761B3928U510		8.3	3.0	3*3	50Ω se/100Ω bal	B3928
845.00	B39851B3438U410		12.0	1.4	3*3	high power for smart metering	B3438
866.50	B39871B4377P810		7.0	2.3	1.4*1.1	improved LSB attenuation; small size	B4377
866.50	B39871B3420U410	o	7.0	1.8	3*3	high power durability	
866.50	B39871B3717U410		7.0	2.2	3*3	50Ω	B3717
866.80	B39871B3441U410	special	2.4	3.4	3*3	50Ω; high nearby rejection Temperature compensation	
869.00	in dev.	special new	2.0	2.7	3*3	very high attenuation up to 70dB Temperature compensation, no AEC-Q200	
869.00	B39871B2600P810		14.0	1.6	1.4*1.1	Low-loss RF filter for smart metering	B2600
869.00	B39871B3430U410		10.0	2.0	3*3	Low-loss RF filter for smart metering	B3430
869.00	B39871B4365P810	special	2.0	2.5	1.4*1.1	no AEC-Q200; Temperature compensation	B4365
869.00	B39871B3440U410	special	2.0	2.6	3*3	50Ω improved LTE suppr. Temperature compensation	B3440
869.00	B39871B3725U410		2.0	2.5	3*3	50Ω; high nearby rejection	B3725
869.00	B39871B3903U510		2.0	1.4	3*3	50Ω se/200Ω bal	B3903
869.00	B39871B4316P810		2.0	2.0	1.4*1.1	50Ω; small size	B4316
869.00	in dev.	new	2.0	1.9	1.4*1.1	no AEC-Q200, for indoor application	
869.00	in dev.	new	2.0	2.7	1.4*1.1	50Ω; small size	
872.00	B39871B3443U410	special	8.0	3.0	3*3	50Ω; extended passband Temp. Comp.	B3443
908.50	B39911B3429U410		13.0	2.0	3*3	steep righ skirt Rx co-design with B3433 for duplexing	B3429
915.00	B39921B3434U410	new	10.0	2.2	3*3	steep righ skirt	B3434
915.00	B39921B3726U410		10.0	2.6	3*3	50Ω	B3726
915.00	B39921B3435U410		12.0	1.6	3*3	low IL; se/bal	B3435
915.00	B39921B4379U810		26.0	1.9	1.1*0.9	small size	B4379
915.00	B39921B4301F210		26.0	1.5	1.4*1.1	50Ω; small size	B4301
915.00	B39921B4344P810		26.0	2.8	1.4*1.1	50Ω; small size	B4344
915.00	B39921B2672P810		26.0	1.1	1.4*1.1	no AEC-Q200, for indoor application	B2672
915.00	B39921B3728U410		26.0	2.2	3*3	50Ω	B3728
915.00	B39921B4317P810		26.0	1.7	1.4*1.1	50Ω se/200Ω bal	B4317
915.00	B2625	new	26.0	1.7	1.4*1.1	50Ω	B2625

o: obsolete (not for new designs)

Wideband Filter for ISM

Center Frequency MHz	Type	Remark	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Feature	DS link
915.00	B39921 B2671 P810	new	26.0	1.5	1.1*0.9	no AEC-Q200, for indoor application	B2671
915.70	B39921 B3432 U410		5.8	0.6	3*3	50Ω; low IL 0.9dB max	B3432
916.00	B39921 B3718 U410		3.5	2.4	3*3	50Ω	B3718
921.50	B39921 B2615 P810	new	13.0	1.4	1.4*1.1	50Ω	B2615
922.50	B39921 B2619 P810	new	5.0	1.4	1.4*1.1	50Ω	B2619
922.50	B39921 B3407 U410		5.0	1.5	3*3	50Ω	B3407
924.50	B39921 B2616 P810	new	5.0	2.1	1.4*1.1	50Ω	B2616
925.00	B39931 B3446 U410	special	4.0	2.0	3*3	50Ω; Temperature compensation	B3446
925.00	B39931 B3919 U410		3.2	1.4	3*3	50Ω	B3919
925.15	B39931 B4336 P810		5.9	1.7	1.4*1.1	50Ω	B4336
925.20	B39931 B3926 U410		5.8	1.4	3*3	50Ω	B3926
925.50	B39931 B3433 U410	special	5.0	2.2	3*3	50Ω; Tx co-design with B3429 for Duplexing	B3433
925.80	B39931 B3916 U410		4.6	0.6	3*3	50Ω; low IL 0.9dB max	B3916
925.80	B39931 B3921 U410		4.6	1.6	3*3	50Ω; high selectivity	B3921
2441.75	B39242 B4347 P810		83.5	1.7	1.4*1.1	50Ω; Wifi filter with high suppression at SDARS	B4347
2441.75	B39242 B3918 U410		83.5	1.9	3*3	50Ω; Wifi filter with high suppression at SDARS	B3918
2441.75	B39242 B4360 P810		83.5	2.1	1.1*0.9	50Ω	B4360
2442.00	B39242 B4346 P810	special	79.0	1.9	1.4*1.1	50Ω BAW	Sales
2442.00	B39242 B2614 P810	ewspecial	79.0	1.2-1.5	1.1*0.9	50Ω BAW	Sales
2448.50	B39242 B3912 U410		97.0	1.7	3*3	50Ω	B3912

o: obsolete (not for new designs)

Filter for GNSS

Start Freq MHz	Stop Freq MHz	Center Freq MHz	Type	Remark	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Application	DS link
1166.22	1249.14	1207.5	B39122B2627P810	new	82.92	1.9-2.6	1.1*0.9	GNSS L5+E5+G3+L2+G2	Sales
1166.45	1186.45	1176.45	B39122B3452U410		20	1.3	3*3	GNSS E5a (QZSS L5)	Sales
1196	1250	1223	B39122B3596U410		54	2.0	3*3	GNSS E5b+G3+L2+G2; High selectivity; Low GDR; Dashboard	Sales
1197	1249	1223	in dev.	new	52	1.0-1.3	1.1*0.9	GNSS E5b+G3+L2+G2; Low GDR; Low IA	Sales
1197	1249	1223	B39122B2620P810	new	52	1.1-1.5	1.4*1.1	GNSS E5b+G3+L2+G2; Low GDR; High Att.	Sales
1215	1254	1234.5	B39122B3439U410	new	39	1.5	3*3	GNSS L2+G2	Sales
1273.75	1283.75	1278.75	B39132B3428U410		10	1.5	3*3	GNSS E6 (QZSS L6)	Sales
1525	1559	1542.00	B39152B3421U410		34	1.4	3*3	GNSS L	B3421
1525	1605.9	1565.50	in dev.	new	80.9	1.2-1.5	1.4*1.1	GNSS L+L1+E1+G1+B1; Low GDR; Low IA	
1525	1606	1565.50	B39232B3424U410		81	2.0	3*3	GNSS L+L1+E1+G1+B1 Low GDR; Dashboard	Sales
1559	1582.5	1606	B2631	new	7	1.1	1.4*1.1	GNSS L1+E1+G1+B1 low GDR; Low IA	B2631
1559	1616	1588.00	B39162B3412U410		57	1.8	3*3	GPS/Galileo/Glonass/BeiDou	B3412
1559	1616	1587.50	B39162B3413U410		57	2.0	3*3	GPS/Galileo/Glonass/BeiDou improved ESD robustness	B3413
1559	1606	1582.50	B39162B3415U410		47	2.0	3*3	GPS/Galileo/Glonass/BeiDou High att. at 1450 to 1525 MHz	B3415
1559	1605.7	1582.35	B39163B3431B710		46.7	1.3-1.6	2.5*2	GPS/Galileo/Glonass/BeiDou	B3431
1559.05	1605.89	1582.47	B39162B2617P810		46.8	0.8-1.4	1.4*1.1	GPS/Galileo/Glonass/BeiDou 50Ωse/100Ωbal; Low GDR	B2617
1559.05	1605.89	1582.47	B39162B2618P810		46.8	1.4	1.1*0.9	GPS/Galileo/Glonass/BeiDou Out of Band selec.; post LNA	B2618
1559.05	1605.89	1582.47	B39162B2611P810		46.8	0.9	1.1*0.9	GPS/Galileo/Glonass/BeiDou small size; low IL; pre LNA	B2611
1559.05	1605.66	1582.40	B39162B4327P810	o	46.61	1.4	1.4*1.1	GPS/Galileo/Glonass/BeiDou	
1559.05	1605.89	1582.47	B39162B4348P810		46.8	0.8	1.4*1.1	GPS/Galileo/Glonass/BeiDou; Top =105C	B4348
1559.05	1605.66	1582.40	B39162B4353P810		46.61	1.0-1.5	1.4*1.1	GPS/Galileo/Glonass/BeiDou; Top =125C	B4353
1560	1606	1583.00	B39162B3423U410		46	2.0	3*3	GNSS L1+E1+G1+B1 High selectivity; Low GDR; Dashboard	B3423
1560	1616	1588.00	B39162B3913U410		56	2.0	3*3	GPS/Galileo/Glonass/BeiDou	B3913
1565	1606	1585.50	B39162B3519U410		41	1.9	3*3	GPS/Galileo/Glonass	B3519
1565.42	1605.89	1585.60	B39162B3414U510		40.47	2.1	3*3	GPS/Galileo/Glonass 50Ωse/100Ωbal; High att. at 1625 MHz	B3414
1571.42	1605.89	1588.65	B39162B3401B710		34.47	1.6	2*2.5	GPS/Galileo/Glonass	B3401
1572.42	1578.42	1575.42	B39162B3524B710		6.0	1.4	2.5*2	GPS/Galileo; 50Ωse/50Ωse	B3524
1572.42	1578.42	1575.42	B39162B3525U510	o	6.0	2.8	3*3	GPS/Galileo 50Ωse/100Ωbal; high selectivity; post LNA	
1572.42	1578.42	1575.42	B39162B3923U410		6.0	1.3	3*3	GPS/Galileo; low IA; pre LNA	B3923
1573.42	1605.89	1588.655	B39162B4310P810		34.47	1.5	1.4*1.1	GPS/Galileo/Glonass; Low IA; pre LNA	B4310
1573.42	1605.89	1588.655	B39162B4313P810		34.47	1.6	1.4*1.1	GPS/Galileo/Glonass 50Ωse/100Ωbal; high selectivity; post LNA	B4313
1573.92	1576.92	1575.42	B39162B4300F210		3.0	1.2	1.4*1.1	GPS/Galileo; low IA	B4300
1574.4	1576.44	1575.42	B39162B3400U410		2.0	2.3	3*3	GPS/Galileo; High nearby rejection	B3400
1574.42	1576.42	1575.42	B39162B3528U510		2.0	1.2	3*3	GPS/Galileo; 50Ωse/100Ωbal; low IA	B3528
1574.42	1576.42	1575.42	B39162B4308P810		2.0	1.3	1.4*1.1	GPS/Galileo; 50Ωse/100Ωbal; low IA	B4308

Diplexer / Comb filter

Start Freq MHz	Stop Freq MHz	Center Freq MHz	Type	Remark	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Application	DS link
1164	1218	1191	B39162B3504U410	new	54	2.0	3*3	GNSS L1+E1+G1+B1 / L5+E5+G3 comb filter	Sales
1559	1606	1582.5	in dev.	new	47	2.7	3*3	GNSS L1+E1+G1+B1 / L5+E5+G3+L2 comb filter; High Attenuation; Low GDR	Sales
1166.22	1186.68	1176.45	in dev.	new	20.46	1.6	3*3	GNSS L1+E1+G1+B1 / L5+E5a comb Filter; Low GDR	Sales
1196	1250	1223	B3436	new	54	2.0	3*3	GNSS L1+E1+G1+B1 / E5b+G3+L2+G2 comb Filter; Low GDR	Sales
1559	1606	1582.5	in dev.	new	47	2.7	3*3	GNSS L+L1+E1+G1+B1 / E5b+G3+L2+G2 comb filter; Low GDR	Sales
1196	1249	1222.5	B39162B2621P810	new	53	2.7	1.5*1.1	GNSS L1+E1+G1+B1 / E5b+G3+L2+G2 comb filter; Low GDR	Sales
1525	1606	1565.5	in dev.	new	81	3.1	1.5*1.1	GNSS L1+E1+G1+B1 / E5b+G3+L2+G2 diplexer; Low GDR; high Attenuation	Sales
1197	1249	1223	in dev.	new	52	1.6-2.2	1.5*1.1	GNSS L1+E1+G1+B1 / E5b+G3+L2+G2 diplexer; Low GDR; high Attenuation	Sales
1559	1606	1582.5	in dev.	new	47	1.4-2.2	1.5*1.1	GNSS L1+E1+G1+B1 / E5b+G3+L2+G2 diplexer; Low GDR; high Attenuation	Sales
1570	1580	1575	B39162B3518H910	o	10	3.8	3*2.5	GPS/Glonass diplexer	Sales
1597	1607	1602	B39162B3518H910	o	10	3.6	3*2.5	GPS/Glonass diplexer	Sales

o: obsolete (not for new designs)

Filter for GNSS

Start Freq MHz	Stop Freq MHz	Center Freq MHz	Type	Remark	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Application	DS link
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Extractor / Band Stop filter

Start Freq MHz	Stop Freq MHz	Center Freq MHz	Type	Remark	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Application	DS link
1574.42	1605.89	see DS	B39162B4322P810		see DS	1.6 - 1.8	2*1.6	GPS/Glonass extractor GPS/Glonass bal / Non-GPS/Glonass se	Sales
1574.42	1605.89	see DS	B39162B3405H910		see DS	1.9 - 3.4	3*2.5	GPS/Glonass extractor	Sales
1559.05	1605.89	see DS	B39162B3478H910	new	see DS	1.6 - 2.6	3*2.5	GPS/Glonass/Beidou extractor	Sales
1565.42	1605.89	see DS	B39162B4340P810	new	see DS	1.6 - 2.4	2*1.6	GPS/Glonass/Beidou extractor	Sales
1559.05	1605.89	see DS	B39162B4368P810	new	see DS	1.8 - 2.2	2*1.6	GPS/Glonass/Beidou extractor	Sales
1572.42	1578.42	1575.42	B39162B3470H910	new	6	0.65 - 1.9	3*2.5	GPS band stop filter	Sales

o: obsolete (not for new designs)

Filter and Duplexer for Telematics Communication (se/se; 50Ω/50Ω)

Band	Function	Remark	Center Frequency MHz	Type	Package size mm*mm	Feature	DS link
1	Duplexer		1950/2140	B39212 B4425 P810	2.0*1.6	Improved isolation	B4425
	(D)Rx filter		2140	B39212 B4358 P810	1.4*1.1		B4358
	(D)Rx filter		2140	B39212 B4359 P810	1.4*1.1	High isolation next to skirt on Tx side	B4359
2	Tx filter		1950	B39202 B4309 P810	1.4*1.1		B4309
	Duplexer		1880/1960	B39202 B4431 P810	1.8*1.4		B4431
	(D)Rx filter		1960	B39202 B4366 P810	1.4*1.1		B4366
3	Tx filter		1880	B39192 B4315 P810	1.4*1.1		B4315
	Duplexer		1747.5/1842.5	B39182 B4421 P810	1.8*1.4		B4421
	(D)Rx filter	special	1842.5	B39182 B4361 P810	1.4*1.1	Temperature compensation	B4361
4	Tx filter		1747.5	B39172 B4331 P810	1.4*1.1		B4331
	Duplexer		1732.5/2132.5	B39212 B4424 P810	2.0*1.6		B4424
	(D)Rx filter		2140	B39212 B4358 P810	1.4*1.1		B4358
5	Tx filter		1732.5	B39172 B4307 F210	1.4*1.1		B4307
	Duplexer		836.5/881.5	B39881 B4422 P810	2.0*1.6		B4422
	(D)Rx filter		881.5	B39881 B4362 P810	1.4*1.1		B4362
5/26	Tx filter		836.5	B39841 B4311 P810	1.4*1.1		B4311
	(D)Rx filter		876.5	B39781 B2601 P810	1.1*0.9	small size	B2601
	Duplexer		2535/2655	B39272 B4418 P810	2.0*1.6		B4418
7	(D)Rx filter		2655	B39272 B2602 P810	1.1*0.9	small size	B2602
	(D)Rx filter		2655	B39272 B4357 P810	1.4*1.1		B4357
	Tx filter		2535	B39252 B4332 P810	1.4*1.1		B4332
8	Duplexer		897.5/942.5	B39941 B4432 P810	2.0*1.6		B4432
	(D)Rx filter		942.5	B39941 B2606 P810	1.1*0.9	small size	B2606
	(D)Rx filter	special	942.5	B39941 B4356 P810	1.4*1.1	B20 co-design, Temperature compensation	B4356
	(D)Rx filter		942.5	B39941 B4363 P810	1.4*1.1		B4363
	Tx filter		897.5	B39901 B4330 P810	1.4*1.1		B4330
	Duplexer	new	1438/1486	in dev.	2.0*1.6		
11/21	(D)Rx filter	new	1493.4	in dev.	1.1*0.9		
12/17	Duplexer		707/742	B39741 B4414 P810	2.0*1.6	including B13 Rx	B4414
	Duplexer		707.5/737.5	B39741 B4423 P810	2.0*1.6		B4423
	(D)Rx filter		737	B39731 B2609 P810	1.1*0.9	small size	B2609
	(D)Rx filter		737	B39741 B4339 P810	1.4*1.1		B4339
	Tx filter		707	B39711 B4337 P810	1.4*1.1		B4337
	Duplexer		782/751	B39871 B4420 P810	2.0*1.6		B4420
13	(D)Rx filter		751	B39751 B4354 P810	1.4*1.1		B4354
	(D)Rx filter		751	B39751 B2613 P810	1.1*0.9		B2613
	Tx filter		782	B39781 B4378 P810	2.0*1.6	High power durability (29dBm)	B4378
	Tx filter		782	B39781 B4319 P810	1.4*1.1		B4319
	(D)Rx filter		742.5	B39741 B2605 P810	1.4*1.1		B2605
	12/13/17	Tx filter	787.5	B39791 B4341 P810	1.4*1.1		B4341
14	Duplexer	new	793	in dev.	1.8*1.4		
	(D)Rx filter	new	763	B39761 B2626 P810	1.1*0.9		B2626
20	Duplexer		847/806	B39851 B4428 P810	2.0*1.6		B4428
	(D)Rx filter	new	806	in dev.	1.1*1.4		
	(D)Rx filter	special	806	B39811 B4355 P810	1.4*1.1	B8 co-design, Temperature compensation	B4355
	(D)Rx filter		806	B39811 B4369 P810	1.4*1.1		B4369
	Tx filter		847	B39851 B4320 P810	1.4*1.1		B4320
	Duplexer		1455.4/1503.4	B39152 B4429 P810	2.0*1.6		B4429
21	(D)Rx filter		1503.4	B39152 B4374 P810	1.4*1.1		B4374
	Duplexer		831.5/876.5	B39871 B4430 P810	2.0*1.6		B4430
26	(D)Rx filter		876.5	B39871 B4376 P810	1.4*1.1		B4376
	Duplexer lower		718/773	B39771 B4426 P810	2.0*1.6		B4426
28	Duplexer upper		733/788	B39791 B4427 P810	2.0*1.6		B4427
	(D)Rx filter	special	780.5	B39781 B4373 P810	1.4*1.1	Temperature compensation	B4373
29	(D)Rx filter		722.5	B39721 B2603 P810	1.1*0.9	small size	B2603
	(D)Rx filter		722.5	B39721 B4370 P810	1.4*1.1		B4370

o: obsolete (not for new designs)

Filter and Duplexer for Telematics Communication (se/se; 50Ω/50Ω)

Band	Function	Remark	Center Frequency MHz	Type	Package size mm*mm	Feature	DS link
30	(D)Rx filter	new	2355	B39242 B2604 P810	1.1*0.9	small size	B2604
	(D)Rx filter		2355	B39242 B4371 P810	1.4*1.1		B4371
32	(D)Rx filter		1474	B39152 B4375 P810	1.4*1.1		B4375
33/39+34	(D)Rx filter		1900/2017.5	B39202 B4384 P810	1.5*1.1	2in1	B4384
34	Rx filter		2017.5	in dev.	1.1*0.9		
38	Tx filter		2595	B39262 B4343 P810	1.4*1.1	post-PA	B4343
40	(D)Rx filter		2350	B39242 B4352 P810	1.4*1.1		B4352
	Tx filter		2350	B39242 B4351 P810	2.0*1.6	50 Ω se IN / 50 Ω se OUT	B4351
41	Rx		2593	B39262 B4349 P810	2.0*1.6		B4349
71	Duplexer	new	634.5/680.5	in dev.	2.0*1.6		
	(D)Rx filter	new	634.5	in dev.	1.4*1.1		

Duplexer se/se for High Rx - Tx out-of-band isolation

Band	Function	Remark	Center Frequency	Type	Package size	Feature	
1	Duplexer		1950/2140	B39212 B4408 P810	2.0*1.6		B4408
2	Duplexer		1880/1960	B39202 B4412 P810	2.0*1.6		B4412
3	Duplexer		1747.5/1842.5	B39182 B4411 P810	2.0*1.6		B4411
5	Duplexer		836.5/881.5	B39881 B4416 P810	2.0*1.6		B4416
7	Duplexer		2535/2655	B39272 B4418 P810	2.0*1.6		B4418
8	Duplexer		2535/2655	B39941 B4410 P810	2.0*1.6		B4410
12/17	Duplexer		707/737	B39741 B4413 P810	2.0*1.6		B4413
	Duplexer		707/742	B39741 B4414 P810	2.0*1.6	including B13 Rx	B4414
20	Duplexer		847/806	B39851 B4409 P810	2.0*1.6		B4409

Di-/Triplexer for Telematics application

Band	Function	Remark	Center Frequency	Type	Package size	Feature	
1+3	Diplexer		2140 + 1842.5	B39212 B4386 P810	1.5*1.1	optimized for carrier aggregation	Sales
1+3+11/21	Rx filter	new	2140+1842.5+1493.4	B4389	1.8*1.4	Triplexer	Sales
1+3+32	Rx filter	new	2140+1842.5+1474	in dev.	1.8*1.4	Triplexer	Sales
2+4	Diplexer		1960 + 2132.5	B39212 B4385 P810	1.5*1.1	optimized for carrier aggregation	Sales
2/25+4/66	Diplexer	new	1962.5 + 2155	B39222 B4387 P810	1.5*1.1	optimized for carrier aggregation	Sales

o: obsolete (not for new designs)

Diplexer, band-stop filter and extractor for GNSS, digital radio and metering

Center Frequency MHz	Type	Remark	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Feature	DS link
725.50	B39731 B3473 H910				3*2.5	DVB-T band-stop filter; LTE 700 Tx and Rx suppression	Sales
725.50	B39731 B3477 B510				3*3	LTE 700 Notch	Sales
733.00	B39731 B3476 H910				3*2.5	Band-stop filter ISDB-T LTE 700Tx, band 18	B3476
736.00	B39741 B3481 B510	new			3*3	Band-stop filter for digital TV, band 8, 20, 28 suppression	Sales
753.00	B39751 B3480 B510	new			3*3	Band-stop filter for digital TV, band 8, 20, 28 suppression	Sales
861.00	B39731 B3479 B510				3*3	Band-stop filter ISDB-T; LTE 700Tx, band 18 and 19 suppression	Sales
868.50	B39871 B3448 U510				3*3	Telestart-Extractor; Temperature compensation	Sales
924.30	B39921 B3474 H910				3*2.5	Notch filter for 920 MHz Japan AMI band	Sales
1575.00	B39232 B3526 U510		2.048	1.8	3*3	GPS/SDARS Diplexer	Sales
2326.25			12.5	1.6			
1575.00	B39232 B3920 U510		6	1.2	3*3	GPS/SDARS Diplexer	Sales
2332.50			25	1.4			
1592.21	B39232 B3927 U510		37.58	1.5	3*3	GPS/Glonass/SDARS Diplexer	Sales
2332.50			25	1.6			
2332.50	B39232 B3471 H910				3*2.5	SDARS band-stop filter	Sales
2332.50	in dev.	new			1.5*1.1	SDARS band-stop filter	Sales
2402.50	B39242 B2610 P810	new special			1.5*1.1	Band-stop filter for SDARS and Wifi	Sales
2436.00	B39242 B2612 P810	new special	83.5		1.5*1.1	WLAN notch, 125C, Temperature compensation	Sales

o: obsolete (not for new designs)

Bandpass filter for Digital Radio

Center Frequency MHz	Type	Remark	Usable Passband MHz	Insertion Attenuation dB	Package size mm*mm	Standard	Feature	DS link
1472	B39152 B1664 U410		40	1.6	3.0*3.0	DMB (DAB), WorldSpace	50Ωse/50Ωse	B1664
1472	B39152 B1647 U510		40	3.0	3*3	DMB (DAB), WorldSpace	50Ωse/100Ωbal	B1647
1472	B39152 B4325 P810		40	1.5	1.4*1.1	DMB (DAB), WorldSpace	50Ωse/50Ωse	B4325
1472	B39152 B4326 P810		40	2.2	1.4*1.1	DMB (DAB), WorldSpace	50Ωse/100Ωbal	B4326
2332.50	B39232 B3425 U510		25	2.4	3*3	Sirius/XM Satellite Radio	50Ωse/100Ωbal	Sales
2332.50	B39232 B1669 U410		25	2.4	3*3	Sirius/XM Satellite Radio	50Ωse/50Ωse	Sales
2332.50	B39232 B3404 U410		25	0.6	3*3	Sirius/XM Satellite Radio	50Ωse/50Ωse; very low IL	Sales
2332.50	B39232 B3595 U410		25	1.5	3*3	Sirius/XM Satellite Radio	50Ωse/50Ωse	Sales
2332.50	B39232 B3442 U410	special	25	3.0	3*3	Sirius/XM Satellite Radio	50Ωse/50Ωse Temperature compensation	Sales
2332.50	B39232 B3416 U410		25	0.47	3*3	Sirius/XM Satellite Radio	50Ωse/50Ωse; low IA	Sales
2332.50	B39232 B2622 P810	new	25	0.33	3*3	Sirius/XM Satellite Radio	50Ωse/50Ωse	Sales

o: obsolete (not for new designs)

Resonator for ISM

Center Frequency MHz	Type	Remark	Frequency Tolerance kHz	Frequency Tolerance ppm	Insertion Attenuation dB	Package size mm*mm	DS link
314.90	B39311R 994H110		±25	±79	1.5	3.0*3.0	R 994
315.00	B39321R 901H110		±75	±238	1.5	3.0*3.0	R 901
315.00	B39321R1901A310		±50	±159	1.4	3.0*3.0	R1901
315.00	B39321R1921A310		±25	±79	1.5	3.0*3.0	R1921
315.02	B39321R 993H110		±25	±79	1.5	3.0*3.0	R 993
315.04	B39321R 963H110		±50	±159	1.4	3.0*3.0	R 963
315.50	B39321R 903H110		±75	±238	1.5	3.0*3.0	R 903
319.508	B39321R1952A310		±75	±50	1.5	3.0*3.0	R1952
433.92	in dev.	new	±75	±173	1.4	2.5*2.0	
433.92	B39431R 920H110		±75	±173	1.4	3.0*3.0	R 920
433.92	B39431R1920A310		±25	±58	1.4	3.0*3.0	R1920
433.94	B39431R 992H110		±25	±58	1.5	3.0*3.0	R 992
434.42	B39431R 969H110		±50	±115	1.3	3.0*3.0	R 969
868.35	B39871R1950A310		±150	±173	1.2	3.0*3.0	R1950
915.00	B39921R2906H110		±250	±273	7.2	3.0*3.0	R2906
1176.00	B39122R 959H110		±300	±255	1.3	3.0*3.0	R 959