



RF360 Europe GmbH

A Qualcomm – TDK Joint Venture

SAW DEVICE SELECTION TABLE

of

Filters and Resonators

for

Remote Keyless Entry Systems
Tire Pressure Monitoring Systems
Automotive Telematics Applications
GPS in Automotive Applications
Digital Radio 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 | Package size mm*mm | Feature | DS link |
|----------------------|--------------------------|---------------------|--------------------------|---------|--------------------|---------------|-----------------------|
| 169.5 | B39171 B3942 U310 | 0.20 | 1.9 | QCC8C | 5*5 | | B3942 |
| 313.15 | B39311 B3534 A410 | 0.20 | 2.6 | QCC8G | 3.8*3.8 | Triplexer | B3534 |
| 314.00 | | 0.20 | 2.7 | | | | |
| 314.925 | | 0.39 | 2.7 | | | | |
| 313.15 | B39311 B3535 A410 | 0.20 | 2.3 | QCC8G | 3.8*3.8 | Diplexer | B3535 |
| 314.00 | | 0.20 | 2.3 | | | | |
| 313.15 | B39311 B3538 H110 | 0.18 | 2.6 | DCC6E | 3*3 | Diplexer | B3538 |
| 314.00 | | 0.18 | 2.3 | | | | |
| 313.85 | B39314 B3931 H110 | 0.76 | 2.3 | DCC6E | 3*3 | Wide passband | B3931 |
| 313.85 | B39311 B3738 H110 | 0.36 | 2.3 | DCC6E | 3*3 | | |
| 313.85 | B39311 B3768 Z810 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | | B3768 |
| 313.15 | B39311 B3955 H110 | 0.18 | 2.2 | DCC6E | 3*3 | Comb filter | B3955 |
| 314.00 | | 0.18 | 2.2 | | | | |
| 313.85 | B39321 B3787 A410 | 0.76 | 2.6 | QCC8G | 3.8*3.8 | Comb filter | B3787 |
| 315.00 | | 0.36 | 2.7 | | | | |
| 313.85 | B39321 B3958 H110 | 0.76 | 2.6 | DCC6E | 3*3 | Comb filter | B3958 |
| 315.00 | | 0.36 | 2.7 | | | | |
| 314.45 | B39311 B3950 H110 | 1.10 | 2.2 | DCC6E | 3*3 | | B3950 |
| 314.45 | B39311 B3784 Z810 | 1.10 | 1.9 | QCC8B | 3.8*3.8 | | B3784 |
| 314.90 | B39311 B3739 H110 | 0.36 | 2.3 | DCC6E | 3*3 | | B3739 |
| 315.00 | B39321 B3741 H110 | 0.36 | 2.1 | DCC6E | 3*3 | | B3741 |
| 315.00 | B39321 B3761 Z810 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | | B3761 |
| 315.00 | B39321 B3781 Z810 | 0.55 | 1.7 | QCC8B | 3.8*3.8 | | B3781 |
| 315.00 | B39321 B3783 Z810 | 1.10 | 1.9 | QCC8B | 3.8*3.8 | | B3783 |
| 400.00 | B39401 B3742 H110 | 0.25 | 2.3 | DCC6E | 3*3 | | B3742 |
| 426.08 | B39431 B3770 Z810 | 0.15 | 2.0 | QCC8B | 3.8*3.8 | | B3770 |
| 433.20 | B39431 B3532 A410 | 0.18 | 2.8 | QCC8G | 3.8*3.8 | Triplexer | B3532 |
| 433.92 | | 0.26 | 2.9 | | | | |
| 434.64 | | 0.18 | 2.9 | | | | |
| 433.20 | B39431 B3537 H110 | 0.18 | 2.3 | DCC6E | 3*3 | Diplexer | B3537 |
| 434.64 | | 0.18 | 2.3 | | | | |
| 433.20 | B39431 B3533 A410 | 0.18 | 2.3 | QCC8G | 3.8*3.8 | Diplexer | B3533 |
| 434.64 | | 0.18 | 2.4 | | | | |
| 433.42 | B39431 B3735 H110 | 0.36 | 2.1 | DCC6E | 3*3 | | B3735 |

Narrowband Filter for ISM (high temperature stability)

| Center Frequency MHz | Type | Usable Passband MHz | Insertion Attenuation dB | Package | Package size mm*mm | Feature | DS link |
|----------------------|--------------------------|---------------------|--------------------------|---------|--------------------|---|-----------------------|
| 433.42 | B39431 B3791 Z810 | 0.24 | 3.8 | QCC8B | 3.8*3.8 | external coupling coil; high ultimate rejection | B3791 |
| 433.58 434.30 | B39431 B3536 A410 | 0.30 0.30 | 2.5 2.6 | QCC8G | 3.8*3.8 | Diplexer | B3536 |
| 433.60 | B39431 B3953 H110 | 0.6 | 2.1 | DCC6E | 3*3 | | B3953 |
| 433.92 | B39431 B3732 H110 | 0.36 | 2.4 | DCC6E | 3*3 | high selectivity at fc-2 MHz | B3732 |
| 433.92 | B39431 B3743 H110 | 0.34 | 1.9 | DCC6E | 3*3 | low insertion attenuation | B3743 |
| 433.92 | B39431 B3760 Z810 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | | B3760 |
| 433.92 | B39431 B3774 Z810 | 0.36 | 2.4 | QCC8B | 3.8*3.8 | high selectivity at fc-2 MHz | B3774 |
| 433.92 | B39431 B3790 Z810 | 0.12 | 3.6 | QCC8B | 3.8*3.8 | external coupling coil; high ultimate rejection | B3790 |
| 433.92 | B39431 B3780 Z810 | 0.55 | 2.0 | QCC8B | 3.8*3.8 | | B3780 |
| 433.92 | B39431 B3782 Z810 | 1.10 | 2.2 | QCC8B | 3.8*3.8 | high usable bandwidth | B3782 |
| 433.92 | B39431 B3951 H110 | 1.10 | 2.2 | DCC6E | 3*3 | | B3951 |
| 433.92 | B39431 B3933 H110 | 0.12 | 3.1 | DCC6E | 3*3 | high nearby rejection | B3933 |
| 433.92 | B39431 B3935 H110 | 1.06 | 2.2 | DCC6E | 3*3 | high usable bandwidth | B3935 |
| 433.92 | B39431 B3936 H110 | 0.55 | 2.2 | DCC6E | 3*3 | | B3936 |
| 434.17 | B39431 B3932 H110 | 0.78 | 2.4 | DCC6E | 3*3 | | B3932 |
| 434.42 | B39431 B3733 H110 | 0.36 | 2.1 | DCC6E | 3*3 | high selectivity at fc-2 MHz | B3733 |
| 434.42 | B39431 B3748 H110 | 0.36 | 1.9 | DCC6E | 3*3 | | B3748 |
| 447.725 | B39451 B3737 H110 | 0.29 | 2.2 | DCC6E | 3*3 | | B3737 |
| 868.30 | B39871 B3734 H110 | 0.30 | 3.2 | DCC6E | 3*3 | high RFID rejection | B3734 |
| 868.30 | B39871 B3744 H110 | 0.60 | 3.0 | DCC6E | 3*3 | | B3744 |
| 868.60 | B39871 B3948 H110 | 1.20 | 2.6 | DCC6E | 3*3 | improved LTE suppression | B3948 |
| 868.60 | B39871 B3746 H110 | 1.20 | 2.6 | DCC6E | 3*3 | | B3746 |
| 868.95 | B39871 B3941 H110 | 0.50 | 3.2 | DCC6E | 3*3 | | B3941 |
| 869.30 | B39871 B3749 H110 | 1.40 | 2.7 | DCC6E | 3*3 | | B3749 |
| 902.875 | B39901 B3934 H110 | 1.55 | 2.4 | DCC6E | 3*3 | | B3934 |
| 916.50 | B39921 B3300 H110 | 1.20 | 2.7 | DCC6E | 3*3 | | B3300 |
| 921.42 | B39921 B3949 H110 | 0.30 | 3.4 | DCC6E | 3*3 | Z-Wave | B3949 |
| 924.15 | B39921 B3419 U410 | 7.10 | 2.0 | DCC6C | 3*3 | low IL; low amplitude ripple | B3419 |
| 928.35 | B39931 B3758 H110 | 0.50 | 3.6 | DCC6E | 3*3 | | B3758 |

o: obsolete (not for new designs)

For requests of products or frequencies not listed in above table please contact your local Qualcomm sales organization.

Wideband Filter for ISM

| Center Frequency MHz | Type | Remark | Usable Passband MHz | Insertion Attenuation dB | Package | Package size mm*mm | Feature | DS link |
|-------------------------|--------------------------|-------------|------------------------|-----------------------------|---------|-----------------------|---|-----------------------|
| 313.60 | B39311 B3917 U410 | | 3.3 | 1.8 | DCC6C | 3*3 | 50Ω | B3917 |
| 313.60 | B39311 B3403 H110 | | 3.3 | 1.5 | DCC6E | 3*3 | 50Ω; pinning 1-4 | B3403 |
| 313.85 | B39311 B3713 U410 | | 0.60 | 1.7 | DCC6C | 3*3 | 50Ω | B3713 |
| 313.85 | B39311 B3729 H110 | | 1.0 | 1.5 | DCC6E | 3*3 | 50Ω; pinning 1-4 | B3729 |
| 314.35 | B39311 B3714 U410 | | 0.60 | 1.9 | DCC6C | 3*3 | 50Ω | B3714 |
| 314.45 | B39182 B2607 P810 | new | 1.3 | 1.1 | QCU8D | 1.8*1.4 | RKE filter with focus on flyback suppression | B2607 |
| 315.00 | B39321 B3719 H110 | | 1.0 | 1.4 | DCC6E | 3*3 | 50Ω; pinning 1-4 | B3719 |
| 315.00 | B39321 B3722 U410 | | 1.0 | 1.5 | DCC6C | 3*3 | 50Ω | B3722 |
| 315.00 | B39321 B3905 U510 | | 1.0 | 1.3 | DCC6D | 3*3 | 50Ω se/200Ω bal | B3905 |
| 345.00 | B39351 B3408 U410 | | 0.8 | 2.5 | DCC6C | 3*3 | 50Ω | B3408 |
| 428.00 | B39431 B3411 U410 | | 16.0 | 2.0 | DCC6C | 3*3 | 50Ω | B3411 |
| 433.92 | B39182 B2608 P810 | new | 1.3 | 1.1 | QCU8D | 1.8*1.4 | RKE filter with focus on flyback suppression | B2608 |
| 433.92 | B39431 B3710 U410 | | 1.7 | 2.0 | DCC6C | 3*3 | 50Ω | B3710 |
| 433.92 | B39431 B3721 U410 | | 1.6 | 2.6 | DCC6C | 3*3 | 50Ω; high selectivity | B3721 |
| 433.92 | B39431 B3727 H110 | | 1.7 | 2.8 | DCC6E | 3*3 | GNSS filter for L-Band +L1/G1 1525-1606 MHz. | B3727 |
| 433.92 | B39431 B3900 U410 | | 0.4 | 1.2 | DCC6C | 3*3 | 50Ω | B3900 |
| 433.92 | B39431 B3925 U410 | | 0.4 | 1.7 | DCC6C | 3*3 | 50Ω; high nearby rejection | B3925 |
| 433.92 | B39431 B3402 H110 | | 0.3 | 1.7 | DCC6E | 3*3 | 50Ω; pinning 1-4 | B3402 |
| 447.70 | B39451 B3907 U410 | | 1.6 | 3.0 | DCC6C | 3*3 | 50Ω | B3907 |
| 454.50 | B39451 B3422 U410 | | 2.0 | 2.8 | DCC6C | 3*3 | 50Ω | B3422 |
| 480.00 | B39481 B3427 U410 | new special | 20.0 | 1.7 | DCC6C | 3*3 | Rx co-design with Tx B3426 for duplexing | B3427 |
| 505.00 | B39511 B3426 U410 | new special | 10.0 | 1.7 | DCC6C | 3*3 | Tx co-design with Rx B3427 for duplexing | B3426 |

Wideband Filter for ISM

| Center Frequency MHz | Type | Remark | Usable Passband MHz | Insertion Attenuation dB | Package | Package size mm*mm | Feature | DS link |
|-------------------------|--------------------------|---------|------------------------|-----------------------------|---------|-----------------------|--|-----------------------|
| 760.00 | B39761 B3445 U510 | special | 8.3 | 2.3 | DCC6C | 3*3 | 50Ω; High out-of-band attenuation; Temperature compensation | B3445 |
| 760.00 | B39761 B3444 Z810 | special | 8.3 | 2.0 | QCC8B | 3.8*3.8 | 50Ω; Temperature compensation | B3444 |
| 760.00 | B39761 B3928 U510 | | 8.3 | 3.0 | DCC6D | 3*3 | 50Ω se/100Ω bal | B3928 |
| 760.00 | B39761 B3410 U510 | | 8.3 | 1.5 | DCC6D | 3*3 | low IA | B3410 |
| 760.00 | B39761 B3409 U410 | | 8.3 | 1.5 | DCC6C | 3*3 | improved VSWR | B3409 |
| 760.00 | B39761 B3929 U410 | | 8.3 | 1.4 | DCC6C | 3*3 | high power durability; low IL | B3929 |
| 845.00 | B39851 B3438 U410 | | 12.0 | 1.4 | DCC6C | 3*3 | high power for smart metering | B3438 |
| 866.50 | B39871 B4377 P810 | | 7.0 | 2.3 | QCS5P | 1.4*1.1 | improved LSB attenuation; small size | B4377 |
| 866.50 | B39871 B3420 U410 | | 7.0 | 1.8 | DCC6C | 3*3 | high power durability | B3420 |
| 866.50 | B39871 B3717 U410 | | 7.0 | 2.2 | DCC6C | 3*3 | 50Ω | B3717 |
| 866.80 | B39871 B3441 U410 | special | 2.4 | 3.4 | DCC6C | 3*3 | 50Ω; high nearby rejection Temperature compensation | B3441 |
| 869.00 | B39871 B2600 P810 | | 14.0 | 1.6 | QCS5P | 1.4*1.1 | Low-loss RF filter for smart metering | B2600 |
| 869.00 | B39871 B3430 U410 | | 10.0 | 2.0 | DCC6C | 3*3 | Low-loss RF filter for smart metering | B3430 |
| 869.00 | B39871 B4365 P810 | special | 2.0 | 2.5 | QCS5P | 1.4*1.1 | no AEC-Q200; Temperature compensation | B4365 |
| 869.00 | B39871 B3440 U410 | special | 2.0 | 2.6 | DCC6C | 3*3 | 50Ω improved LTE suppr. Temperature compensation | B3440 |
| 869.00 | B39871 B3725 U410 | | 2.0 | 2.5 | DCC6C | 3*3 | 50Ω; high nearby rejection | B3725 |
| 869.00 | B39871 B3903 U510 | | 2.0 | 1.4 | DCC6D | 3*3 | 50Ω se/200Ω bal | B3903 |
| 869.00 | B39871 B4316 P810 | | 2.0 | 2.0 | QCS5P | 1.4*1.1 | 50Ω; small size | B4316 |
| 869.50 | B39871B3418U410 | | 13.0 | 1.7 | DCC6C | 3*3 | 50Ω; pin compatible to B3717 | B3418 |
| 872.00 | B39871 B3443 U410 | special | 8.0 | 3.0 | DCC6C | 3*3 | 50Ω; extended passband Temp. Comp. | B3443 |
| 908.5 | B39911 B3429 U410 | | 13.0 | 2.0 | DCC6C | 3*3 | steep righ skirt Rx co-design with B3433 for duplexing | B3429 |
| 912.50 | B39911 B3406 U410 | | 9.0 | 2.6 | DCC6C | 3*3 | 50Ω; low amplitude ripple | B3406 |

Wideband Filter for ISM

| Center Frequency MHz | Type | Remark | Usable Passband MHz | Insertion Attenuation dB | Package | Package size mm*mm | Feature | DS link |
|-------------------------|---------------------------|----------------|------------------------|-----------------------------|--------------|-----------------------|--|-----------------------|
| 915.00 | B39921 B3434 U410 | new | 10.0 | 2.2 | DCC6C | 3*3 | steep right skirt | B3434 |
| 915.00 | B39921 B3726 U410 | | 10.0 | 2.6 | DCC6C | 3*3 | 50Ω | B3726 |
| 915.00 | B39921 B3435 U410 | | 12.0 | 1.6 | DCC6D | 3*3 | low IL; se/bal | B3435 |
| 915.00 | B39921 B4379 UP810 | | 26.0 | 1.9 | QCR5N | 1.1*0.9 | small size | B4379 |
| 915.00 | B39921 B4301 F210 | | 26.0 | 1.5 | QCS5P | 1.4*1.1 | 50Ω; small size | B4301 |
| 915.00 | B39921 B4344 P810 | | 26.0 | 2.8 | QCS5P | 1.4*1.1 | 50Ω; small size | B4344 |
| 915.00 | B39921 B2672 P810 | | 26.0 | 1.1 | QCR5D | 1.4*1.1 | no AEC-Q200 | B2672 |
| 915.00 | B39921 B3728 U410 | | 26.0 | 2.2 | DCC6C | 3*3 | 50Ω | B3728 |
| 915.00 | B39921 B4317 P810 | | 26.0 | 1.7 | QCS5P | 1.4*1.1 | 50Ω se/200Ω bal | B4317 |
| 915.70 | B39921 B3432 U410 | | 5.8 | 0.6 | DCC6C | 3*3 | 50Ω; low IL 0.9dB max | B3432 |
| 916.00 | B39921 B3718 U410 | | 3.5 | 2.4 | DCC6C | 3*3 | 50Ω | B3718 |
| 921.50 | B2615 | new | 13.0 | 1.4 | QCS5P | 1.4*1.1 | 50Ω | B2615 |
| 922.50 | in dev. | new | 5.0 | 1.4 | QCS5P | 1.4*1.1 | 50Ω | |
| 922.50 | B39921 B3407 U410 | | 5.0 | 1.5 | DCC6C | 3*3 | 50Ω | B3407 |
| 924.40 | in dev. | new | 5.0 | 1.8 | QCS5P | 1.4*1.1 | 50Ω | |
| 925.00 | B39931 B3446 U410 | special | 4.0 | 2.0 | DCC6C | 3*3 | 50Ω; Temperature compensation | B3446 |
| 925.00 | B39931 B3919 U410 | | 3.2 | 1.4 | DCC6C | 3*3 | 50Ω | B3919 |
| 925.15 | B39931 B4336 P810 | | 5.9 | 1.7 | QCS5P | 1.4*1.1 | 50Ω | B4336 |
| 925.20 | B39931 B3926 U410 | | 5.8 | 1.4 | DCC6C | 3*3 | 50Ω | B3926 |
| 925.50 | B39931 B3433 U410 | new special | 5.0 | 2.2 | DCC6C | 3*3 | 50Ω; Tx co-design with B3429 for Duplexing | B3433 |
| 925.80 | B39931 B3916 U410 | | 4.6 | 0.6 | DCC6C | 3*3 | 50Ω; low IL 0.9dB max | B3916 |
| 925.80 | B39931 B3921 U410 | | 4.6 | 1.6 | DCC6C | 3*3 | 50Ω; high selectivity | B3921 |

Wideband Filter for ISM

| Center Frequency MHz | Type | Remark | Usable Passband MHz | Insertion Attenuation dB | Package | Package size mm*mm | Feature | DS link |
|-------------------------|--------------------------|--------------------|------------------------|-----------------------------|---------|-----------------------|---|-----------------------|
| 2441.75 | B39242 B4347 P810 | | 83.5 | 1.7 | QCS5P | 1.4*1.1 | 50Ω; Wifi filter with high suppression at SDARS | B4347 |
| 2441.75 | B39242 B3918 U410 | | 83.5 | 1.9 | DCC6C | 3*3 | 50Ω; Wifi filter with high suppression at SDARS | B3918 |
| 2441.75 | B39242 B4360 P810 | | 83.5 | 2.1 | QCR5N | 1.1*0.9 | BT 1109 | B4360 |
| 2442.00 | B39242 B4346 P810 | special | 79.0 | 1.9 | QCU5D | 1.4*1.1 | Wifi CSSP Automotive; BAW | B4346 |
| 2442.00 | in dev. | new special | 79.0 | tbd | QCU5G | 1.1*0.9 | Wifi CSSP Automotive; BAW | |
| 2448.50 | B39242 B3912 U410 | | 97.0 | 1.7 | DCC6C | 3*3 | 50Ω | B3912 |

o: obsolete (not for new designs)

For requests of products or frequencies not listed in above table please contact your local Qualcomm sales organization.

Filter for GNSS

| Start Freq MHz | Stop Freq MHz | Center Frequency MHz | Type | Remark | Usable Passband MHz | Insertion Attenuation dB | Package | Package size mm*mm | Application | DS link |
|-------------------|------------------|-------------------------|------------------------|--------|------------------------|-----------------------------|--------------|-----------------------|---|-----------------------|
| 1166.45 | 1186.45 | 1176.45 | B39122B3452U410 | new | 20 | 1.3 | DCC6C | 3*3 | GNSS/QZSS L5 | B3452 |
| 1196 | 1250 | 1223 | B39122B3596U410 | | 54 | 2.0 | DCC6C | 3*3 | GNSSE5b/L2/G2 | B3596 |
| 1196 | 1250 | 1223 | B3436 | new | 54 | 1.9 | DCC6E | 3*3 | GNSS; L2/G2 | B3436 |
| 1559 | 1606 | 1582.5 | | | 47 | 2.5 | | | Comb Filter; L1/G1 | |
| 1273.75 | 1283.75 | 1278.75 | B39132B3428U410 | | 10 | 1.5 | DCC6C | 3*3 | GNSS QZSS L6 | B3428 |
| 1525 | 1559 | 1542.00 | B39152B3421U410 | | 34 | 1.4 | DCC6C | 3*3 | GNSS L | B3421 |
| 1525 | 1606 | 1565.50 | B39232B3424U410 | | 81 | 2.0 | DCC6C | 3*3 | GNSSL/L1/E1/G1/B1; Low GDR; Dashboard | B3424 |
| 1555 | 1606 | 1580.50 | in dev. | o | 51 | 1.8 | QCU8M | 1.8*1.4 | GNSSL1/E1/G1/B1; Typ. GDR below 7ns; L1 band | |
| 1559 | 1616 | 1588.00 | B39162B3412U410 | | 57 | 1.8 | DCC6C | 3*3 | GPS/Galileo/Glonass/BeiDou | B3412 |
| 1559 | 1616 | 1587.50 | B39162B3413U410 | | 57 | 2.0 | DCC6C | 3*3 | GPS/Galileo/Glonass/BeiDou; improved ESD robustness | B3413 |
| 1559 | 1606 | 1582.50 | B39162B3415U410 | | 47 | 2.0 | DCC6C | 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 | DCC4A | 2.5*2 | GPS/Galileo/Glonass/BeiDou | B3431 |
| 1559.05 | 1605.89 | 1582.47 | B2617 | new | 46.8 | 0.8-1.4 | QCS5P | 1.4*1.1 | GPS/Galileo/Glonass/BeiDou; 50Qse/100Qbal; Low GDR | B2617 |
| 1559.05 | 1605.89 | 1582.47 | B39162B2618P810 | new | 46.8 | 1.4 | QCR5N | 1.1*0.9 | GPS/Galileo/Glonass/BeiDou; Out of Band selec.; post LNA | B2618 |
| 1559.05 | 1605.89 | 1582.47 | B39162B2611P810 | new | 46.8 | 0.9 | QCR5N | 1.1*0.9 | GPS/Galileo/Glonass/BeiDou; small size; low IL; pre LNA | B2611 |
| 1559.05 | 1605.66 | 1582.40 | B39162B4327P810 | | 46.61 | 1.4 | QCS5P | 1.4*1.1 | GPS/Galileo/Glonass/BeiDou | B4327 |
| 1559.05 | 1605.89 | 1582.47 | B39162B4348P810 | | 46.8 | 0.8 | QCS5P | 1.4*1.1 | GPS/Galileo/Glonass/BeiDou; Top =105C | B4348 |
| 1559.05 | 1605.66 | 1582.40 | B39162B4353P810 | | 46.61 | 1.0-1.5 | QCS5P | 1.4*1.1 | GPS/Galileo/Glonass/BeiDou; Top =125C | B4353 |
| 1560 | 1606 | 1583.00 | B39162B3423U410 | | 46 | 2.0 | DCC6C | 3*3 | GNSSL1/E1/G1/B1; High select.; Low GDR; Dashboard | B3423 |
| 1560 | 1616 | 1588.00 | B39162B3913U410 | | 56 | 2.0 | DCC6C | 3*3 | GPS/Galileo/Glonass/BeiDou | B3913 |
| 1565 | 1607 | 1586.00 | B39162B3517U510 | | 42 | 1.9 | DCC6D | 3*3 | GPS/Galileo/Glonass; 50Qse/100Qbal | B3517 |
| 1565 | 1606 | 1585.50 | B39162B3519U410 | | 41 | 1.9 | DCC6C | 3*3 | GPS/Galileo/Glonass | B3519 |
| 1565.42 | 1605.89 | 1585.60 | B39162B3414U510 | | 40.47 | 2.1 | DCC6D | 3*3 | GPS/Galileo/Glonass; 50Qse/100Qbal; High suppression at 1625 MHz | B3414 |
| 1571.42 | 1605.89 | 1588.65 | B39162B3401B710 | | 34.47 | 1.6 | DCC4A | 2*2.5 | GPS/Galileo/Glonass | B3401 |
| 1572.42 | 1578.42 | 1575.42 | B39162B3524B710 | | 6.0 | 1.4 | DCC4A | 2.5*2 | GPS/Galileo; 50Qse/50Qse | B3524 |
| 1572.42 | 1578.42 | 1575.42 | B39162B3525U510 | | 6.0 | 2.8 | DCC6D | 3*3 | GPS/Galileo; 50Qse/100Qbal; high selectivity; post LNA | B3525 |
| 1572.42 | 1578.42 | 1575.42 | B39162B3923U410 | | 6.0 | 1.3 | DCC6C | 3*3 | GPS/Galileo; low IA; pre LNA | B3923 |
| 1572.42 | 1578.42 | 1575.42 | B39162B4300F210 | | 6.0 | 1.2 | QCS5P | 1.4*1.1 | GPS/Galileo; low IA | B4300 |
| 1573.42 | 1605.89 | 1588.655 | B39162B4310P810 | | 34.47 | 1.5 | QCS5P | 1.4*1.1 | GPS/Galileo/Glonass; Low IA; pre LNA | B4310 |
| 1573.42 | 1605.89 | 1588.655 | B39162B4313P810 | | 34.47 | 1.6 | QCS5P | 1.4*1.1 | GPS/Galileo/Glonass; 50Qse/100Qbal; high selec.; post LNA | B4313 |
| 1574.397 | 1576.44 | 1575.42 | B39162B3400U410 | | 2.0 | 2.3 | DCC6C | 3*3 | GPS/Galileo; High nearby rejection | B3400 |
| 1574.42 | 1576.42 | 1575.42 | B39162B3528U510 | | 2.0 | 1.2 | DCC6D | 3*3 | GPS/Galileo; 50Qse/100Qbal; low IA | B3528 |
| 1574.42 | 1576.42 | 1575.42 | B39162B4308P810 | | 2.0 | 1.3 | QCS5P | 1.4*1.1 | GPS/Galileo; 50Qse/100Qbal; low IA | B4308 |

o: obsolete (not for new designs)

For requests of products or frequencies not listed in above table please contact your local Qualcomm sales organization.

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

| Band | Function | Remark | Center Frequency MHz | Type | Package | Package size mm*mm | Feature | DS link | |
|------|-----------------|------------|----------------------|--------------|--------------------------|--------------------|----------------|--|-----------------------|
| 1 | Duplexer | | 1950/2140 | B4425 | B39212 B4425 P810 | QCW9K | 2.0*1.6 | Improved isolation | B4425 |
| | (D)Rx filter | | 2140 | B4358 | B39212 B4358 P810 | QCS5P | 1.4*1.1 | | B4358 |
| | (D)Rx filter | | 2140 | B4359 | B39212 B4359 P810 | QCS5P | 1.4*1.1 | High isolation next to skirt on Tx side | B4359 |
| | Tx filter | | 1950 | B4309 | B39202 B4309 P810 | QCS5P | 1.4*1.1 | | B4309 |
| 2 | Duplexer | | 1880/1960 | B4412 | B39202 B4412 P810 | QCB9R | 2.0*1.6 | High out-of-band Rx-Tx isolation | B4412 |
| | Duplexer | new | 1880/1960 | B4431 | B39202B4431P810 | QCR8U | 1.8*1.4 | small size High out-of-band Rx-Tx isolation | B4431 |
| | (D)Rx filter | | 1960 | B4336 | B39202 B4366 P810 | QCS5P | 1.4*1.1 | | B4366 |
| | Tx filter | | 1880 | B4315 | B39192 B4315 P810 | QCS5M | 1.4*1.1 | | B4315 |
| 3 | Duplexer | | 1747.5/1842.5 | B4421 | B39182 B4421 P810 | QCR8U | 1.8*1.4 | | B4421 |
| | Duplexer | | 1747.5/1842.5 | B4411 | B39182 B4411 P810 | QCW9S | 2.0*1.6 | High out-of-band Rx-Tx isolation | B4411 |
| | (D)Rx filter | special | 1842.5 | B4361 | B39182 B4361 P810 | QCS5P | 1.4*1.1 | Temperature compensation | B4361 |
| | Tx filter | | 1747.5 | B4331 | B39172 B4331 P810 | QCS5P | 1.4*1.1 | | B4331 |
| 4 | Duplexer | | 1732.5/2132.5 | B4424 | B39212 B4424 P810 | QCW9S | 2.0*1.6 | | B4424 |
| | (D)Rx filter | | 2140 | B4358 | B39212 B4358 P810 | QCS5P | 1.4*1.1 | | B4358 |
| | Tx filter | | 1732.5 | B4307 | B39172 B4307 F210 | QCS5P | 1.4*1.1 | | B4307 |
| 5 | Duplexer | | 836.5/881.5 | B4422 | B39881 B4422 P810 | QCU9L | 2.0*1.6 | | B4422 |
| | (D)Rx filter | | 881.5 | B4362 | B39881 B4362 P810 | QCS5P | 1.4*1.1 | | B4362 |
| | Tx filter | | 836.5 | B4311 | B39841 B4311 P810 | QCS5P | 1.4*1.1 | | B4311 |
| 5/26 | (D)Rx filter | new | 876.5 | B2601 | B39781 B2601 P810 | QCR5N | 1.1*0.9 | small size | B2601 |
| 7 | Duplexer | | 2655 | B4418 | B39272 B4418 P810 | QCU9L | 2.0*1.6 | | B4418 |
| | (D)Rx filter | new | 2655 | | in dev. | QCR5N | 1.1*0.9 | small size | |
| | (D)Rx filter | | 2655 | B4357 | B39272 B4357 P810 | QCS5P | 1.4*1.1 | | B4357 |
| | Tx filter | | 2535 | B4332 | B39252 B4332 P810 | QCS5P | 1.4*1.1 | | B4332 |

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

| Band | Function | Remark | Center Frequency MHz | Type | Package | Package size mm*mm | Feature | DS link | |
|----------|---------------------|------------|----------------------|--------------|--------------------------|--------------------|----------------|--|-----------------------|
| 8 | Duplexer | new | 897.5/942.5 | B4432 | B4432 | QCU9L | 2.0*1.6 | High out-of-band Rx-Tx isolation | B4432 |
| | Duplexer | | 897.5/942.5 | B4410 | B39941 B4410 P810 | QCU9L | 2.0*1.6 | | B4410 |
| | (D)Rx filter | new | 942.5 | B2606 | B39941 B2606 P810 | QCR5N | 1.1*0.9 | small size | B2606 |
| | (D)Rx filter | special | 942.5 | B4356 | B39941 B4356 P810 | QCS5P | 1.4*1.1 | B20 co-design, Temperature compensation | B4356 |
| | (D)Rx filter | | 942.5 | B4363 | B39941 B4363 P810 | QCS5P | 1.4*1.1 | | B4363 |
| | Tx filter | | 897.5 | B4330 | B39901 B4330 P810 | QCS5P | 1.4*1.1 | | B4330 |
| 12/17 | Duplexer | | 707/737 | B4413 | B39741 B4413 P810 | QCW9K | 2.0*1.6 | High out-of-band Rx-Tx isolation | B4413 |
| | Duplexer | | 707/742 | B4414 | B39741 B4414 P810 | QCU9L | 2.0*1.6 | High out-of-band Rx-Tx isolation; including B13 Rx | B4414 |
| | Duplexer | | 707.5/737.5 | B4423 | B39741 B4423 P810 | QCU9L | 2.0*1.6 | | B4423 |
| | (D)Rx filter | new | 737 | B2609 | B39731 B2609 P810 | QCR5N | 1.1*0.9 | small size | B2609 |
| | (D)Rx filter | | 737 | B4339 | B39741 B4339 P810 | QCS5P | 1.4*1.1 | | B4339 |
| | Tx filter | | 707 | B4337 | B39711 B4337 P810 | QCS5P | 1.4*1.1 | | B4337 |
| 13 | Duplexer | | 782/751 | B4420 | B39871 B4420 P810 | QCU9L | 2.0*1.6 | | B4420 |
| | (D)Rx filter | | 751 | B4354 | B39751 B4354 P810 | QCS5P | 1.4*1.1 | | B4354 |
| | (D)Rx filter | new | 751 | B2613 | B39751B2613 P810 | QCR5N | 1.1*0.9 | | B2613 |
| | Tx filter | | 782 | B4378 | B39781 B4378 P810 | QCU9L | 2.0*1.6 | High power durability (29dBm) | B4378 |
| | Tx filter | | 782 | B4319 | B39781 B4319 P810 | QCS5P | 1.4*1.1 | | B4319 |
| 12/13/17 | (D)Rx filter | new | 742.5 | B2605 | B39741 B2605 P810 | QCR5N | 1.4*1.1 | | B2605 |
| 13/14 | Tx filter | | 787.5 | B4341 | B39791 B4341 P810 | QCS5P | 1.4*1.1 | | B4341 |
| 20 | Duplexer | | 847/806 | B4428 | B39851 B4428 P810 | QCU9L | 2.0*1.6 | | B4428 |
| | Duplexer | | 847/806 | B4409 | B39851 B4409 P810 | QCU9L | 2.0*1.6 | High out-of-band Rx-Tx isolation | B4409 |
| | (D)Rx filter | special | 806 | B4355 | B39811 B4355 P810 | QCS5P | 1.4*1.1 | B8 co-design, Temperature compensation | B4355 |
| | (D)Rx filter | | 806 | B4369 | B39811 B4369 P810 | QCS5P | 1.4*1.1 | | B4369 |
| | Tx filter | | 847 | B4320 | B39851 B4320 P810 | QCS5P | 1.4*1.1 | | B4320 |

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

| Band | Function | Remark | Center Frequency MHz | Type | Package | Package size mm*mm | Feature | DS link |
|----------|----------------|---------|----------------------|-------|--------------------------|--------------------|---------|---|
| 21 | Duplexer | | 1455.4/1503.4 | B4429 | B39152 B4429 P810 | QCU9L | 2.0*1.6 | B4429 |
| | (D)Rx filter | | 1503.4 | B4374 | B39152 B4374 P810 | QCS5P | 1.4*1.1 | B4374 |
| 26 | (D)Rx filter | | 876.5 | B4376 | B39871 B4376 P810 | QCS5P | 1.4*1.1 | B4376 |
| | Duplexer | | 831.5/876.5 | B4430 | B39871 B4430 P810 | QCU9L | 2.0*1.6 | B4430 |
| 28 | Duplexer lower | | 718/773 | B4426 | B39771 B4426 P810 | QCU9L | 2.0*1.6 | B4426 |
| | Duplexer upper | | 733/788 | B4427 | B39791 B4427 P810 | QCU9L | 2.0*1.6 | B4427 |
| | (D)Rx filter | special | 780.5 | B4373 | B39781 B4373 P810 | QCS5P | 1.4*1.1 | Temperature compensation B4373 |
| 29 | (D)Rx filter | new | 722.5 | | B39721 B2603 P810 | QCR5N | 1.1*0.9 | small size B2603 |
| | (D)Rx filter | | 722.5 | B4370 | B39721 B4370 P810 | QCS5P | 1.4*1.1 | B4370 |
| 30 | (D)Rx filter | new | 2355 | | in dev. | QCR5N | 1.1*0.9 | small size |
| | (D)Rx filter | | 2355 | B4371 | B39242 B4371 P810 | QCS5P | 1.4*1.1 | B4371 |
| 32 | (D)Rx filter | | 1474 | B4375 | B39152 B4375 P810 | QCS5P | 1.4*1.1 | B4375 |
| 33/39+34 | (D)Rx filter | | 1900 2017.5 | B4384 | B39202 B4384 P810 | QCS10W | 1.5*1.1 | 2in1 B4384 |
| 38 | Tx filter | | 2595 | B4343 | B39262 B4343 P810 | QCS5P | 1.4*1.1 | post-PA B4343 |
| 40 | (D)Rx filter | | 2350 | B4352 | B39242 B4352 P810 | QCS5P | 1.4*1.1 | B4352 |
| | | | 2350 | | | | | |
| 41 | Rx | | 2593 | B4349 | B39262 B4349 P810 | QCD9L | 2.0*1.6 | B4349 |

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

| Band | Function | Remark | Center Frequency MHz | Type | Package | Package size mm*mm | Feature | DS link |
|------|----------|--------|-------------------------|------|---------|-----------------------|---------|---------|
|------|----------|--------|-------------------------|------|---------|-----------------------|---------|---------|

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

| Band | Function | Remark | Center Frequency | Type | Package | Package size | Feature | | |
|-------|-----------------|------------|----------------------------|-------|--------------------------|--------------|----------------|---|-----------------------|
| 1 | Duplexer | | 1950/2140 | B4408 | B39212 B4408 P810 | QCW9K | 2.0*1.6 | High out-of-band Rx-Tx isolation | B4408 |
| 2 | Duplexer | | 1880/1960 1747.5/1842.5 | B4412 | B39202 B4412 P810 | QCB9R | 2.0*1.6 | High out-of-band Rx-Tx isolation | B4412 |
| 5 | Duplexer | | 1747.5/1842.5 | B4421 | B39182 B4421 P810 | QCR8U | 1.8*1.4 | | B4421 |
| 7 | Duplexer | | 836.5/881.5 | B4422 | B39881 B4422 P810 | QCU9L | 2.0*1.6 | | B4422 |
| 8 | Duplexer | new | 897.5/942.5 | | in dev. | QCU9L | 2.0*1.6 | High out-of-band Rx-Tx isolation | |
| | Duplexer | | 897.5/942.5 | B4410 | B39941 B4410 P810 | QCU9L | 2.0*1.6 | | B4410 |
| 12/17 | Duplexer | | 707/742 | B4414 | B39741 B4414 P810 | QCU9L | 2.0*1.6 | High out-of-band Rx-Tx isolation; including B13 Rx | B4414 |
| 20 | Duplexer | | 847/806 | B4409 | B39851 B4409 P810 | QCU9L | 2.0*1.6 | High out-of-band Rx-Tx isolation | B4409 |

Duplexer for Telematics application

| Band | Function | Remark | Center Frequency | Type | Package | Package size | Feature | | |
|-----------------|----------|--------|------------------|---------|--------------------------|--------------|---------|-----------------------------------|-----------------------|
| B1 + B3 | Duplexer | | 2140 + 1842.5 | in dev. | in dev. | QCS10W | 1.5*1.1 | optimized for carrier aggregation | |
| B2 + B4 | Duplexer | | 1960 + 2132.5 | B4385 | B39212 B4385 P810 | QCS10W | 1.5*1.1 | optimized for carrier aggregation | B4385 |
| B2/B25 + B66 | Duplexer | new | 1962.5 + 2155 | | in dev. | QCS10W | 1.5*1.1 | optimized for carrier aggregation | |

o: obsolete (not for new designs)

For requests of products or frequencies not listed in above table please contact your local Qualcomm sales organization.

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

| Center Frequency | Type | Remark | Usable Passband | Insertion Attenuation | Package | Package size | Feature | DS link |
|--------------------|--------------------------|------------|-----------------|-----------------------|--------------|--------------|---|-----------------------|
| MHz | | | MHz | dB | | mm*mm | | |
| 725.50 | B39731 B3473 H910 | | | | QCC10G | 3*2.5 | DVB-T band-stop filter; LTE 700 Tx and Rx suppression | B3473 |
| 725.50 733.00 | B39731 B3477 B510 | | | | QCC8F | 3*3 | LTE 700 Notch | B3477 |
| 736.00 | B3481 | new | | | QCC8F | 3*3 | Band-stop filter for digital TV, band 8,20, 28 suppression | B3481 |
| 753.00 | B3480 | new | | | QCC8F | 3*3 | Band-stop filter for digital TV, band 8,20, 28 suppression | B3480 |
| 861.00 | B39731 B3479 B510 | | | | QCC8F | 3*3 | Band-stop filter ISDB-T; LTE 700Tx, band 18 and 19 suppression | B3479 |
| 868.50 | B39871 B3448 U510 | | | | DCC6D | 3*3 | Telestart-Extractor; Temperature compensation | B3448 |
| 924.30 | B39921 B3474 H910 | | | | QCC10G | 3*2.5 | Notch filter for 920 MHz Japan AMI band | B3474 |
| 1575.00 1602.00 | B39162 B3518 H910 | | 10.00 10.00 | 3.8 3.6 | QCC10G | 3*2.5 | GPS/Glonass Diplexer | B3518 |
| 1575.00 1602.00 | B39162 B3405 H910 | | 11.00 8.34 | 3.4 2.2 | QCC10G | 3*2.5 | GPS/Glonass extractor | B3405 |
| 1575.00 1602.00 | B39162 B3478 H910 | new | 26.37 8.34 | 1.7 2.6 | QCC10G | 3*2.5 | GPS/Glonass/Beidou extractor | B3478 |
| 1575.00 1602.00 | B39162 B4368 P810 | new | 26.37 8.34 | 1.9 2.2 | QCU9L | 2*1.6 | GPS/Glonass/Beidou extractor | B4368 |
| 1575.00 2326.25 | B39232 B3526 U510 | | 2.048 12.50 | 1.8 1.6 | DCC6D | 3*3 | GPS/SDARS Diplexer | B3526 |
| 1575.00 2332.50 | B39232 B3920 U510 | | 6.00 25.00 | 1.2 1.4 | DCC6D | 3*3 | GPS/SDARS Diplexer | B3920 |
| 1575.42 | B39162 B3470 H910 | | | | QCC10G | 3*2.5 | GPS band-stop filter | B3470 |

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

| Center Frequency MHz | Type | Remark | Usable Passband MHz | Insertion Attenuation dB | Package | Package size mm*mm | Feature | DS link |
|-------------------------|--------------------------|-------------|------------------------|-----------------------------|---------|-----------------------|--|-----------------------|
| 1592.21 2332.50 | B39232 B3927 U510 | | 37.58 25.00 | 1.5 1.6 | DCC6D | 3*3 | GPS/Glonass/SDARS Diplexer | B3927 |
| 2332.50 | B39232 B3471 H910 | | | | QCC10G | 3*2.5 | SDARS band-stop filter | B3471 |
| 1575.42 1601.72 | B39162 B4322 P810 | | 2.00 8.34 | 1.6 1.8 | QCU9L | 2*1.6 | GPS/Glonass extractor; GPS/Glonass bal OUT/Non-GPS/Glonass se | B4322 |
| 1575.42 1601.72 | B39162 B4340 P810 | | 20.00 8.34 | 2.1 2.4 | QCU9L | 2*1.6 | GPS/Glonass extractor GPS/Glonass se/Non-GPS/Glonass se | B4340 |
| 2402.50 | in dev. | new special | | | QCS10W | 1.5*1.1 | Band-stop filter for SDARS and Wifi | |

o: obsolete (not for new designs)

For requests of products or frequencies not listed in above table please contact your local Qualcomm sales organization.

Bandpass filter for Digital Radio

| Center Frequency MHz | Type | Remark | Usable Passband MHz | Insertion Attenuation dB | Standard | Package | Package size mm*mm | Feature | DS link |
|-------------------------|--------------------------|---------|------------------------|-----------------------------|------------------------------|---------|-----------------------|---|-----------------------|
| 1472 | B39152 B1664 U410 | | 40 | 1.6 | DMB (DAB), WorldSpace | DCC6C | 3.0*3.0 | 50Ωse/50Ωse | B1664 |
| 1472 | B39152 B1647 U510 | | 40 | 3.0 | DMB (DAB), WorldSpace | DCC6D | 3*3 | 50Ωse/100Ωbal | B1647 |
| 1472 | B39152 B4325 P810 | | 40 | 1.5 | DMB (DAB), WorldSpace | QCC5M | 1.4*1.1 | 50Ωse/50Ωse | B4325 |
| 1472 | B39152 B4326 P810 | | 40 | 2.2 | DMB (DAB), WorldSpace | QCS5P | 1.4*1.1 | 50Ωse/100Ωbal | B4326 |
| 2332.50 | B39232 B3425 U510 | | 25 | 2.4 | Sirius/XM Satellite Radio | DCC6D | 3*3 | 50Ωse/100Ωbal | B3425 |
| 2332.50 | B39232 B1669 U410 | | 25 | 2.4 | Sirius/XM Satellite Radio | DCC6C | 3*3 | 50Ωse/50Ωse | B1669 |
| 2332.50 | B39232 B3404 U410 | | 25 | 0.6 | Sirius/XM Satellite Radio | DCC6C | 3*3 | 50Ωse/50Ωse;very low IL | B3404 |
| 2332.50 | B39232 B3595 U410 | | 25 | 1.5 | Sirius/XM Satellite Radio | DCC6C | 3*3 | 50Ωse/50Ωse | B3595 |
| 2332.50 | B39232 B3442 U410 | special | 25 | 3.0 | Sirius/XM Satellite Radio | DCC6C | 3*3 | 50Ωse/50Ωse;Temperature compensation | B3442 |
| 2332.50 | B39232 B3416 U410 | | 25 | 0.47 | Sirius/XM Satellite Radio | DCC6C | 3*3 | 50Ωse/50Ωse;low IA | B3416 |

o: obsolete (not for new designs)

For requests of products or frequencies not listed in above table please contact your local Qualcomm sales organization.

Resonator for ISM

| Center Frequency MHz | Type | Remark | Frequency Tolerance kHz | Frequency Tolerance ppm | Insertion Attenuation dB | Package | Package size mm*mm | DS link |
|-------------------------|-----------------|--------|----------------------------|----------------------------|-----------------------------|---------|-----------------------|-----------------------|
| 314.875 315.125 | B39311R 773U310 | | ±50 | ±159 | 1.3 | QCC8C | 5.0*5.0 | R 773 |
| 314.90 | B39311R 994H110 | | ±25 | ±79 | 1.5 | DCC6E | 3.0*3.0 | R 994 |
| 315.00 | B39321R 901H110 | | ±75 | ±238 | 1.5 | DCC6E | 3.0*3.0 | R 901 |
| 315.00 | B39321R1901A310 | | ±50 | ±159 | 1.4 | DCC6G | 3.0*3.0 | R1901 |
| 315.00 | B39321R1921A310 | | ±25 | ±79 | 1.5 | DCC6G | 3.0*3.0 | R1921 |
| 315.02 | B39321R 993H110 | | ±25 | ±79 | 1.5 | DCC6E | 3.0*3.0 | R 993 |
| 315.04 | B39321R 963H110 | | ±50 | ±159 | 1.4 | DCC6E | 3.0*3.0 | R 963 |
| 315.05 | B39321R1902A310 | | ±50 | ±159 | 1.4 | DCC6G | 3.0*3.0 | R1902 |
| 315.50 | B39321R 903H110 | | ±75 | ±238 | 1.5 | DCC6E | 3.0*3.0 | R 903 |
| 319.508 | B39321R1952A310 | | ±75 | ±50 | 1.5 | DCC6G | 3.0*3.0 | R1952 |
| 433.81 434.06 | B39431R 772U310 | | ±35 | ±111 | 1.3 | QCC8C | 5.0*5.0 | R 772 |
| 433.92 | B39431R 920H110 | | ±75 | ±173 | 1.4 | DCC6E | 3.0*3.0 | R 920 |
| 433.92 | B39431R1900A310 | o | ±50 | ±115 | 1.4 | DCC6G | 3.0*3.0 | |
| 433.92 | B39431R1920A310 | | ±25 | ±58 | 1.4 | DCC6G | 3.0*3.0 | R1920 |
| 433.94 | B39431R 992H110 | | ±25 | ±58 | 1.5 | DCC6E | 3.0*3.0 | R 992 |
| 433.95 | B39431R 962H110 | | ±50 | ±115 | 1.4 | DCC6E | 3.0*3.0 | R 962 |
| 434.42 | B39431R 969H110 | | ±50 | ±115 | 1.3 | DCC6E | 3.0*3.0 | R 969 |
| 868.35 | B39871R1950A310 | | ±150 | ±173 | 1.2 | DCC6G | 3.0*3.0 | R1950 |
| 915.00 | B39921R2906H110 | | ±250 | ±273 | 7.2 | DCC6E | 3.0*3.0 | R2906 |
| 1176.00 | B39122R 959H110 | | ±300 | ±255 | 1.3 | DCC6E | 3.0*3.0 | R 959 |

o: obsolete (not for new designs)

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