



Electronic Parts and Components

SAW DEVICE SELECTION TABLE

of

Resonators and Front End Filters

for

Remote Keyless Entry Systems
Tire Pressure Monitoring Systems
GPS in Automotive Applications
Garage Door Openers
Wireless Switches & Smart Home Applications
Meter Reading Systems
Wireless Audio Applications
Security and Alarm Systems
Wireless Access & Tagging Systems
Medical Applications

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Electronic Parts and Components

One Port Resonators

| Center Frequency MHz | Type | Frequency Tolerance kHz | Frequency Tolerance ppm | Insertion Attenuation dB | Package | Package Size mm*mm | |
|-------------------------|--------------|----------------------------|----------------------------|-----------------------------|------------|-----------------------|------------|
| 303.83 | R 807 | i | ±75 | ±247 | 1.1 | QCC4A | 5*3.5 |
| 304.30 | R 852 | i | ±50 | ±164 | 1.4 | QCC4A | 5*3.5 |
| 314.50 | R 854 | i | ±50 | ±159 | 1.3 | QCC4A | 5*3.5 |
| 315.00 | R 821 | i | ±75 | ±238 | 1.5 | QCC4A | 5*3.5 |
| 315.00 | R 901 | i | ±75 | ±238 | 1.5 | DCC6E | 3*3 |
| 315.00 | R 961 | s,i | ±50 | ±115 | 1.4 | DCC6E | 3*3 |
| 315.00 | R 981 | i | ±100 | ±317 | 1.4 | DCC6C | 3*3 |
| 315.02 | R 851 | i | ±50 | ±159 | 1.3 | QCC4A | 5*3.5 |
| 315.04 | R 963 | s,i | ±50 | ±159 | 1.4 | DCC6E | 3*3 |
| 315.50 | R 903 | s,i | ±75 | ±238 | 1.5 | DCC6C | 3*3 |
| 319.508 | R 822 | i | ±75 | ±235 | 1.5 | QCC4A | 5*3.5 |
| 403.55 | R 983 | s,i | ±100 | ±248 | 1.5 | DCC6C | 3*3 |
| 418.00 | R 921 | s,i | ±75 | ±173 | 1.3 | DCC6E | 3*3 |
| 433.42 | R 806 | i | ±75 | ±173 | 1.2 | QCC4A | 5*3.5 |
| 433.42 | R 904 | i | ±75 | ±173 | 1.4 | DCC6C | 3*3 |
| 433.92 | R 820 | i | ±75 | ±173 | 1.2 | QCC4A | 5*3.5 |
| 433.92 | R 880 | i | ±100 | ±230 | 1.2 | QCC4A | 5*3.5 |
| 433.92 | R 920 | i | ±75 | ±173 | 1.4 | DCC6E | 3*3 |
| 433.92 | R 960 | i | ±50 | ±115 | 1.4 | DCC6E | 3*3 |
| 433.92 | R 980 | i | ±100 | ±230 | 1.4 | DCC6C | 3*3 |
| 433.94 | R 850 | i | ±50 | ±115 | 1.2 | QCC4A | 5*3.5 |
| 433.95 | R 962 | i | ±50 | ±115 | 1.4 | DCC6E | 3*3 |
| 434.15 | R 856 | i | ±50 | ±115 | 1.2 | QCC4A | 5*3.5 |
| 434.15 | R 964 | s,i | ±50 | ±115 | 1.4 | DCC6E | 3*3 |
| 868.35 | R 808 | i | ±175 | ±200 | 1.1 | QCC4A | 5*3.5 |

s: samples available (not yet in production)

i: data sheet is available in Internet

o: obsolete (not for new designs)



Electronic Parts and Components

One Port Resonators 2in1

| Center Frequency F1/F2 MHz | Type | Frequency Tolerance kHz | Frequency Tolerance ppm | Insertion Attenuation dB | Package | Package Size |
|-------------------------------|------|----------------------------|----------------------------|-----------------------------|---------|--------------|
| 314.875 | R771 | i | ±50 | ±159 | 1.3 | QCC8C |
| 315.125 | | | | | 1.3 | |
| 433.795 | R770 | i | ±50 | ±116 | 1.3 | QCC8C |
| 434.045 | | | | | 1.3 | |

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Electronic Parts and Components

Two Port Resonators

| Center Frequency MHz | Type | Frequency Tolerance kHz | Frequency Tolerance ppm | Insertion Attenuation dB | Package | Package Size mm*mm | |
|-------------------------|-------|----------------------------|----------------------------|-----------------------------|---------|-----------------------|-----|
| 303.85 | R2707 | i | ±75 | ±250 | 8.5 | QCC8C | 5*5 |
| 311.063 | R2710 | i | ±100 | ±320 | 8.7 | QCC8C | 5*5 |
| 315.00 | R2704 | i | ±100 | ±310 | 9.4 | QCC8C | 5*5 |
| 418.05 | R2702 | i | ±75 | ±180 | 9.2 | QCC8C | 5*5 |
| 433.92 | R2701 | i | ±75 | ±175 | 9.2 | QCC8C | 5*5 |
| 804.50 | R2712 | i | ±250 | ±310 | 6.3 | QCC8C | 5*5 |
| 868.35 | R2711 | i | ±100 | ±115 | 7.0 | QCC8C | 5*5 |
| 915.00 | R2706 | i | ±350 | ±382 | 7.0 | QCC8C | 5*5 |

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Front End Filters

| Center Frequency MHz | Type | 3 dB Bandwidth MHz | Usable Bandwidth MHz | Insertion Attenuation dB | Package | Package Size mm*mm | Features |
|----------------------|--------------|--------------------|----------------------|--------------------------|--------------|--------------------|---|
| 303.80 | B3553 | i 0.82 | 0.36 | 3.0 | QCC8C | 5*5 | high temperature stability |
| 311.06 | B3577 | i 0.68 | 0.30 | 2.3 | QCC8C | 5*5 | high temperature stability |
| 312.20 | B3766 | i 0.59 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 312.20 | B3712 | i 4.8 | 0.60 | 1.7 | DCC6C | 3*3 | 50 Ω |
| 313.85 | B3768 | i 0.59 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 313.85 | B3713 | s,i 4.8 | 0.60 | 1.7 | DCC6C | 3*3 | 50 Ω |
| 314.35 | B3714 | s,i 4.8 | 0.60 | 1.9 | DCC6C | 3*3 | 50 Ω |
| 314.85 | B3769 | i 0.59 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 315.00 | B3761 | i 0.59 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 315.00 | B3781 | i 0.78 | 0.55 | 1.7 | QCC8B | 3.8*3.8 | high temperature stability |
| 315.00 | B3576 | i 0.47 | 0.20 | 3.3 | QCC8C | 5*5 | high temperature stability, external coupling coil, high ultimate rejection |
| 315.00 | B3711 | i 4.8 | 0.60 | 1.7 | DCC6C | 3*3 | 50 Ω |
| 315.00 | B3731 | i 0.63 | 0.36 | 2.4 | DCC6E | 3*3 | high temperature stability |
| 315.00 | B3792 | s,i 0.39 | 0.10 | 3.9 | QCC8B | 3.8*3.8 | high temperature stability, external coupling coil, high ultimate rejection |
| 315.15 | B3763 | i 0.59 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 315.50 | B3765 | i 0.59 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 345.00 | B3559 | i 0.60 | 0.20 | 2.0 | QCC8C | 5*5 | high temperature stability |
| 345.00 | B3583 | i 5.0 | 0.80 | 2.5 | QCC8B | 3.8*3.8 | 50 Ω |
| 426.08 | B3770 | i 0.68 | 0.15 | 2.0 | QCC8B | 3.8*3.8 | high temperature stability |
| 433.42 | B3791 | i 0.49 | 0.24 | 3.6 | QCC8B | 3.8*3.8 | high temperature stability, external coupling coil, high ultimate rejection |
| 433.92 | B3760 | i 0.68 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 433.92 | B3774 | s,i 0.70 | 0.36 | 2.4 | QCC8B | 3.8*3.8 | high temperature stability, high selectivity at fc-2 MHz |
| 433.92 | B3780 | i 0.85 | 0.55 | 2.0 | QCC8B | 3.8*3.8 | high temperature stability |
| 433.92 | B3790 | i 0.42 | 0.12 | 3.6 | QCC8B | 3.8*3.8 | high temperature stability, external coupling coil, high ultimate rejection |
| 433.92 | B3575 | i 0.60 | 0.22 | 3.4 | QCC8C | 5*5 | high temperature stability, external coupling coil, high ultimate rejection |
| 433.92 | B3710 | i 7.2 | 1.7 | 2.0 | DCC6C | 3*3 | 50 Ω |
| 433.92 | B3730 | i 0.72 | 0.36 | 2.4 | DCC6E | 3*3 | high temperature stability |
| 433.92 | B3732 | i 0.72 | 0.36 | 2.4 | DCC6E | 3*3 | high temperature stability, high selectivity at fc-2 MHz |
| 434.42 | B3733 | s,i 0.72 | 0.36 | 2.1 | DCC6E | 3*3 | high temperature stability, high selectivity at fc-2 MHz |
| 434.42 | B3771 | i 0.68 | 0.36 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 447.725 | B3767 | i 0.67 | 0.29 | 1.9 | QCC8B | 3.8*3.8 | high temperature stability |
| 864.00 | B3563 | i 10 | 3.0 | 4.0 | DCC6C | 3*3 | 50 Ω |
| 866.50 | B3717 | s,i 15 | 7.0 | 2.2 | DCC6C | 3*3 | 50 Ω |
| 868.30 | B3762 | i 1.4 | 0.60 | 3.0 | QCC8B | 3.8*3.8 | high temperature stability |
| 868.30 | B3574 | i 1.3 | 0.28 | 4.2 | QCC8C | 5*5 | high temperature stability, external coupling coil, high ultimate rejection |
| 868.60 | B3571 | i 2.2 | 1.2 | 3.1 | QCC8C | 5*5 | high temperature stability |
| 868.95 | B3773 | i 1.4 | 0.50 | 3.0 | QCC8B | 3.8*3.8 | high temperature stability |
| 869.00 | B3715 | i 14 | 2.0 | 2.4 | DCC6C | 3*3 | 50 Ω |
| 869.00 | B3716 | i 11 | 2.0 | 2.6 | DCC6C | 3*3 | 50 Ω, high selectivity |
| 869.60 | B3573 | i 1.8 | 0.80 | 2.8 | QCC8C | 5*5 | high temperature stability |
| 902.875 | B3772 | i 2.2 | 1.6 | 3.0 | QCC8B | 3.8*3.8 | high temperature stability |
| 915.00 | B3705 | i 12 | 1.6 | 4.0 | QCC8B | 3.8*3.8 | 50 Ω |
| 915.00 | B3588 | i 38 | 26 | 2.9 | DCC6C | 3*3 | 50 Ω |
| 916.00 | B3718 | s,i 11 | 3.5 | 2.4 | DCC6C | 3*3 | 50 Ω |
| 1575.42 | B3520 | i 38 | 2.4 | 1.3 | DCC6C | 3*3 | 50 Ω, unbal., low IL |
| 1575.42 | B3521 | i 28 | 2.0 | 3.2 | DCC6C | 3*3 | 50 Ω, unbal., high selectivity |
| 1575.42 | B4050 | i 35 | 2.4 | 3.3 | DCC6D | 3*3 | 50 Ω, unbal. IN, bal. OUT |
| 1575.42 | B4059 | i 38 | 2.4 | 2.8 | QCC8D | 3*3 | 50 Ω, unbal., high selectivity |
| 1575.42 | B4060 | i 38 | 2.4 | 1.3 | QCC8D | 3*3 | 50 Ω, unbal. or bal. OUT |
| 2450.0 | B4041 | s,i 135 | 97 | 2.9 | DCC6C | 3*3 | 50 Ω |

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