



Electronic Parts and Components

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

Content	Page
Narrowband Filters for ISM	1
Wideband Filters for ISM	2
Wideband Filters for Telematics	3
Wideband 2in1 / Diplexers for Telematics	4
Bandpass filters for Digital Radio	5
Resonators	6



Narrowband Filters for ISM (high temperature stability)

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Package Size mm*mm	Features
313.85	B3738	i	0.36	2.3	DCC6E	3*3	
313.85	B3768	i	0.36	1.9	QCC8B	3.8*3.8	
313.85	B3786	i	0.36	2.6	QCC8B	3.8*3.8	Dual pass-band filter
315.00			0.36	2.6			
313.85	B3787	s,i	0.76	2.6	QCC8G	3.8*3.8	Dual pass-band filter
315.00			0.36	2.7			
314.45	B3784	i	1.1	1.9	QCC8B	3.8*3.8	
314.85	B3769	i	0.36	1.9	QCC8B	3.8*3.8	
314.90	B3739	i	0.36	2.3	DCC6E	3*3	
315.00	B3741	i	0.36	2.1	DCC6E	3*3	
315.00	B3792	s,i	0.10	3.9	QCC8B	3.8*3.8	external coupling coil, high ultimate rejection
315.00	B3761	i	0.36	1.9	QCC8B	3.8*3.8	
315.00	B3781	i	0.55	1.7	QCC8B	3.8*3.8	
315.00	B3783	i	1.1	1.9	QCC8B	3.8*3.8	
315.00	B3961	i	0.36	2.1	DCC6F	2.5*2.0	
315.15	B3763	i	0.36	1.9	QCC8B	3.8*3.8	
400.00	B3742	i	0.25	2.3	DCC6E	3*3	
426.08	B3770	i	0.15	2.0	QCC8B	3.8*3.8	
433.42	B3735	i	0.36	2.1	DCC6E	3*3	
433.42	B3791	i	0.24	3.8	QCC8B	3.8*3.8	external coupling coil, high ultimate rejection
433.92	B3730	i	0.36	2.4	DCC6E	3*3	low impedance
433.92	B3732	i	0.36	2.4	DCC6E	3*3	high selectivity at fc-2 MHz
433.92	B3743	i	0.34	1.9	DCC6E	3*3	low insertion attenuation
433.92	B3790	i	0.12	3.6	QCC8B	3.8*3.8	external coupling coil, high ultimate rejection
433.92	B3760	i	0.36	1.9	QCC8B	3.8*3.8	
433.92	B3774	i	0.36	2.4	QCC8B	3.8*3.8	high selectivity at fc-2 MHz
433.92	B3780	i	0.55	2.0	QCC8B	3.8*3.8	
433.92	B3782	i	1.1	2.2	QCC8B	3.8*3.8	high usable bandwidth
433.92	B3933	i	0.12	3.1	DCC6E	3*3	high nearby rejection
433.92	B3935	i	1.06	2.2	DCC6E	3*3	high usable bandwidth
433.92	B3936	s,i	0.55	2.2	DCC6E	3*3	
433.92	B3960	i	0.34	2.2	DCC6F	2.5*2.0	
434.17	B3932	i	0.78	2.4	DCC6E	3*3	
434.42	B3733	i	0.36	2.1	DCC6E	3*3	high selectivity at fc-2 MHz
434.42	B3748	i	0.36	1.9	DCC6E	3*3	
447.725	B3737	i	0.29	2.2	DCC6E	3*3	
868.30	B3734	i	0.30	3.2	DCC6E	3*3	high RFID rejection
868.30	B3744	i	0.60	3.0	DCC6E	3*3	
868.30	B3962	s,i	0.6	2.8	DCC6F	2.5*2.0	
868.60	B3746	i	1.2	2.6	DCC6E	3*3	
868.95	B3941	i	0.50	3.2	DCC6E	3*3	
869.30	B3749	s,i	1.4	2.7	DCC6E	3*3	
902.875	B3934	i	1.55	2.4	DCC6E	3*3	

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

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



Wideband Filters for ISM

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Package Size mm*mm	Features
312.20	B3712	i	0.60	1.7	DCC6C	3*3	50 Ω
313.60	B3917	i	3.3	1.8	DCC6C	3*3	50 Ω
313.85	B3713	i	0.60	1.7	DCC6C	3*3	50 Ω
313.85	B3729	i	1.0	1.5	DCC6E	3*3	50 Ω, pinning 1-4
314.35	B3714	i	0.60	1.9	DCC6C	3*3	50 Ω
315.00	B3719	i	1.0	1.4	DCC6E	3*3	50 Ω, pinning 1-4
315.00	B3722	i	1.0	1.5	DCC6C	3*3	50 Ω
315.00	B3905	i	1.0	1.3	DCC6D	3*3	50 Ω unbal. IN, 200 Ω bal. OUT
345.00	B3583	i	0.80	2.5	QCC8B	3.8*3.8	50 Ω
433.92	B3710	i	1.7	2.0	DCC6C	3*3	50 Ω
433.92	B3721	i	1.6	2.6	DCC6C	3*3	50 Ω, high selectivity
433.92	B3727	i	1.7	2.8	DCC6E	3*3	50 Ω, pinning 1-4, high nearby rejection
447.70	B3907	i	1.6	3.0	DCC6C	3*3	50 Ω
864.00	B3563	i	3.0	4.0	DCC6C	3*3	50 Ω
866.50	B3717	i	7.0	2.2	DCC6C	3*3	50 Ω
869.00	B3725	i	2.0	2.5	DCC6C	3*3	50 Ω, high nearby rejection
869.00	B3903	i	2.0	1.4	DCC6D	3*3	50 Ω unbal. IN, 200 Ω bal. OUT
915.00	B3588	i	26	2.9	DCC6C	3*3	50 Ω, high ultimate rejection
915.00	B3726	i	10	2.6	DCC6C	3*3	50 Ω
915.00	B3728	i	26	2.2	DCC6C	3*3	50 Ω, low IA
915.00	B4301	i	26	1.5	QCS5P	1.4*1.1	50 Ω, small size
916.00	B3718	i	3.5	2.4	DCC6C	3*3	50 Ω
925.00	B3919	s,i	3.2	1.4	DCC6C	3*3	50 Ω
2448.50	B3912	i	97	1.7	DCC6C	3*3	50 Ω

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

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



Electronic Parts and Components

Wideband Filters for Telematics

Center Frequency MHz	Type	Usable Passband MHz	Insertion Attenuation dB	Package	Package Size mm*mm	Features	
836.50	B4311	s,i	25	1.7	QCS5P	1.4*1.1	WCDMA Band V Tx
881.50	B3908	i	25	2.6	DCC6C	3*3	GSM850 UMTS Band V Rx unbal.
881.50	B4146	i	25	2.5	DCC6D	3*3	GSM850 UMTS Band V Rx bal.
881.50	B4303	i	25	1.4	QCS5M	1.4*1.1	GSM850 Rx bal.
881.50	B4314	s,i	25	2.0	QCS5P	1.4*1.1	UMTS Band V Rx bal.
942.50	B4304	i	35	1.5	QCS5M	1.4*1.1	GSM900 UMTS Band VIII Rx bal.
1575.42	B3524	i	6.0	1.4	DCC4A	2.5*2	50 Ω
1575.42	B3520	i	2.4	1.3	DCC6C	3*3	50 Ω, unbal., low IA
1575.42	B3521	i	2.0	3.2	DCC6C	3*3	50 Ω, unbal., high selectivity
1575.42	B3522	i	2.0	1.6	DCC6C	3*3	50 Ω, unbal.
1575.42	B3525	i	6.0	2.8	DCC6D	3*3	50 Ω IN, 100 Ω bal. OUT, high selectivity
1575.42	B3528	i	2.0	1.2	DCC6D	3*3	50 Ω IN, 100 Ω bal. OUT, low IA
1575.42	B4050	i	2.4	3.3	DCC6D	3*3	50 Ω IN, 50 Ω bal. OUT
1575.42	B4060	i	2.4	1.3	QCC8D	3*3	50 Ω, unbal. or bal. OUT
1575.42	B4300	i	6.0	1.2	QCS5P	1.4*1.1	50 Ω, small size
1575.42	B4308	s,i	2.0	1.3	QCS5P	1.4*1.1	50 Ω IN, 100 Ω bal. OUT, low IA
1585.50	B3519	s,i	41	1.9	DCC6C	3*3	50 Ω; GPS, Glonass
1586.00	B3517	i	42	1.9	DCC6D	3*3	50 Ω IN, 100 Ω bal. OUT; GPS, GLONASS
1588.00	B3913	i	56	2.0	DCC6C	3*3	50 Ω; GPS, Glonass, Galileo
1588.655	B4310	i	34.47	1.5	QCS5P	1.4*1.1	50 Ω; GPS, Glonass
1601.50	B3529	i	17	2.5	DCC6C	3*3	50 Ω; Glonass
1732.50	B4307	i	45	1.9	QCS5P	1.4*1.1	AWS UMTS Band IV Tx unbal.
1842.50	B4306	i	75	1.8	QCS5M	1.4*1.1	GSM1800 UMTS Band III Rx bal.
1880.00	B3516	o	60	2.9	DCC6C	3*3	GSM1900 UMTS Band II Tx
1950.00	B4309	i	60	2.3	QCS5P	1.4*1.1	WCDMA Band I Tx
1960.00	B3513	i	60	3.2	DCC6D	3*3	GSM1900 UMTS Band II Rx
1960.00	B4154	i	60	3.6	DCC6D	3*3	GSM1900 UMTS Band II Rx
1960.00	B4305	i	60	1.7	QCS5M	1.4*1.1	GSM1900 UMTS Band II Rx bal.
2140.00	B4302	i	60	1.9	QCS5M	1.4*1.1	GSM1900 UMTS Band I Rx bal.

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

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



Electronic Parts and Components

Wideband 2in1 / Diplexers for Telematics

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Package	Package Size mm*mm	Features
881.50	B3514	i	25	1.8	QCC10G	3*2.5	GSM850 UMTS Band V Rx
942.50			35	1.9			GSM900 UMTS Band VIII Rx
881.50	B4234	i	25	1.8	QCC10G	3*2.5	GSM850 UMTS Band V Rx
1960.00			60	2.3			GSM1900 UMTS Band II Rx
942.50	B4235	i	35	1.8	QCC10G	3*2.5	GSM900 UMTS Band VIII Rx
1842.50			75	2.4			GSM1800 UMTS Band III Rx
1575.00	B3518	i	10	3.8	QCC10G	3*2.5	GPS/Glonass Diplexer
1602.00			10	3.6			
1842.50	B3515	i	75	2.6	QCC10G	3*2.5	GSM1800 UMTS Band III Rx
1960.00			60	2.6			GSM1900 UMTS Band II Rx
1865.00	B3511	i	30	1.8	QCC8D	3*3	50 Ω, PCS Tx 1
1895.00			30	1.8			50 Ω, PCS Tx 2

s: samples available (not yet in production)

i: data sheet is available in Internet

o: obsolete (not for new designs)

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



Bandpass filters for Digital Radio

Center Frequency MHz	Type		Usable Passband MHz	Insertion Attenuation dB	Standard	Package	Package Size mm*mm	Features
72.54	B1728	i	3.7	14.5	Sirius Satellite Radio	QCC12E	7*5	
72.54	X3403	i	3.7	17.2	Sirius Satellite Radio	QCC12E	7*5	Diplexing of Sirius Radio satellite channels
80.46			3.7	17.3				
76.50	B1727	i	3.8	15.4	Sirius Satellite Radio	QCC12E	7*5	
76.50	B1730	i	12.5	14.7	Sirius Satellite Radio	QCC12E	7*5	
80.46	B1729	i	3.7	18.1	Sirius Satellite Radio	QCC12E	7*5	
115.18	B1720	i	12.5	14.2	XM Satellite Radio	QCC12E	7*5	
259.86	B1726	i	12.5	14.5	XM Satellite Radio	QCC12E	7*5	
1472	B1608	i	40	3.8	DMB (DAB), WorldSpace	QCC8B	3.8*3.8	Single ended or balanced operation at 50Ω
1472	B1664	i	40	1.6	DMB (DAB), WorldSpace	DCC6C	3*3	Single ended operation at 50Ω
1472	B1647	i	40	3.0	DMB (DAB), WorldSpace	DCC6D	3*3	Impedance transformation from single ended 50Ω to balanced 100Ω
2326.25	B1646	i	12.5	2.5	Sirius Satellite Radio	DCC6C	3*3	Single ended operation at 50Ω
2332.50	B1669	s,i	25	2.4	Sirius / XM Satellite Radio	DCC6C	3*3	Single ended operation at 50Ω
2338.755	B1644	i	12.5	2.4	XM Satellite Radio	DCC6D	3*3	Impedance transformation from single ended 50Ω to balanced 100Ω

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

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



Electronic Parts and Components

Resonators for ISM

Center Frequency MHz	Type		Frequency Tolerance kHz	Frequency Tolerance ppm	Insertion Attenuation dB	Package	Package Size mm*mm
314.90	R 966	i	±50	±159	1.5	DCC6E	3*3
314.90	R 994	i	±25	±79	1.5	DCC6E	3*3
315.00	R 961	o	±50	±159	1.4	DCC6E	3*3
315.00	R 901	i	±75	±238	1.5	DCC6E	3*3
315.00	R 821	i	±75	±238	1.5	QCC4A	5*3.5
315.00	R1921	i	±25	±79	1.5	DCC6G	3*3
315.00	R1901	s,i	±50	±159	1.4	DCC6G	3*3
315.02	R 993	i	±25	±79	1.5	DCC6E	3*3
315.04	R 963	i	±50	±159	1.4	DCC6E	3*3
315.05	R1902	s,i	±50	±159	1.4	DCC6G	3*3
315.50	R 903	i	±75	±238	1.5	DCC6E	3*3
319.508	R 822	i	±75	±235	1.5	QCC4A	5*3.5
321.00	R 922	i	±75	±234	1.3	DCC6E	3*3
345.00	R 965	s,i	±50	±145	1.4	DCC6E	3*3
390.00	R 972	i	±50	±128	1.3	DCC6E	3*3
433.92	R 920	i	±75	±173	1.4	DCC6E	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	R1920	s,i	±25	±58	1.4	DCC6G	3*3
433.92	R1900	i	±50	±115	1.4	DCC6G	3*3
433.94	R 992	i	±25	±58	1.5	DCC6E	3*3
433.95	R 962	i	±50	±115	1.4	DCC6E	3*3
434.15	R 964	i	±50	±115	1.4	DCC6E	3*3
434.42	R 969	i	±50	±115	1.3	DCC6E	3*3
868.35	R1950	i	±150	±173	1.2	DCC6G	3*3
915.00	R2906	i	±250	±273	7.2	DCC6E	3*3
1176.0	R 959	i	±300	±255	1.3	DCC6E	3*3

R29xx types are two port resonators. All other types are one port resonators

s: samples available (not yet in production)

i: data sheet is available in Internet

o: obsolete (not for new designs)

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