

# Filters

Cavity filters  
Ceramic filters

## CAVITY FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
382	tetra	45	5	21	3	30 at 387 & 25 at 376	sma	cob-fcav-001
392	tetra	45	5	21	3	30 at 387 & 25 at 400	sma	cob-fcav-002
401	space	0	2	18	1	45 at 300 & 65 at 462	sma	cob-fcav-003
418	pmr	0	1	15	1.3	30 at ± 10	sma	cob-fcav-004
435	pmr	37	30	21	0.5	40 at 380 & 40 at 490	sma	cob-fcav-005
462	pmr	0	2	18	1	50 at 400	sma	cob-fcav-006
1090	iff	37	20	20	0.5	35 at 1058 & 1120	sma	cob-fcav-007
1090	iff	37	20	20	1	40 at 1058 & 1120	sma	cob-fcav-008
2350	wimax	37	100	21	1.5	60 at 2200 & 70 at 2500	sma	cob-fcav-009
3500	wimax	37	200	21	2	60 at 330 & 70 at 3700	sma	cob-fcav-010
4500	wimax	0	40	14	2	100 at ± 10%fc	sma	cob-fcav-011
5410	space	10	350	21	0.3	50 at 2300 & 800	sma	cob-fcav-012
5790	space	0	30	16	1.5	40 at ± 60	sma	cob-fcav-013
7500	updown converter	10	100	13	3	50 at 6500 & 20 at 7035	smd	cob-fcav-014
8328	space	0	500	14	3	60 at 6120 & 60 at 12240	sma	cob-fcav-015
9000	radar	0	600	16	1.5	50 at ± 500	sma	cob-fcav-016
9383	radar	10	361	15	2	24 at 9088 & 25 at 9737	sma	cob-fcav-017
10000	radar	0	200	14	3	60 at ± 650	sma	cob-fcav-018
11725	space	10	2050	21	1.5	20 at 10450 & 20 at 13000	sma	cob-fcav-019
11975	space	10	550	21	1.5	40 at 11000 & 13750	sma	cob-fcav-020

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403	intermediate frequency	20	15	14	1	40 at ± 60	smd	cob-fcer-001
420	intermediate frequency	10	16	14	5	50 at 360 & 480	smd	cob-fcer-002
575	intermediate frequency	10	5	14	6.5	50 at 510 & 40 at 640	smd	cob-fcer-003
576	intermediate frequency	10	2	10	3	20 at ± 40	smd	cob-fcer-004
610	intermediate frequency	10	20	14	3	50 at ± 122	smd	cob-fcer-005
662	intermediate frequency	10	15	14	4	80 at ± 40	smd	cob-fcer-006
822	intermediate frequency	10	20	14	2.5	20 at 846 & 55 at 850	smd	cob-fcer-007
836	intermediate frequency	10	24	12	4	50 at 796 & 45 at 876	smd	cob-fcer-008
860	intermediate frequency	10	10	12	4	50 at 820 & 800	smd	cob-fcer-009
872	intermediate frequency	10	8	14	6	30 at 846 & 30 at 898	smd	cob-fcer-010
885	intermediate frequency	10	33	14	5	50 at 810 & 960	smd	cob-fcer-011
890	intermediate frequency	10	10	15	1.7	30 at 840 & 25 at 930	smd	cob-fcer-012
900	intermediate frequency	10	5	14	9	40 at 870 & 50 at 960	smd	cob-fcer-013
908	intermediate frequency	10	55	14	2	60 at 670 & 20 at 1915	smd	cob-fcer-014
930	intermediate frequency	10	5	14	9.5	40 at 900 & 50 at 960	smd	cob-fcer-015
932	intermediate frequency	10	35	14	5	50 at 800 & 50 at 1005	smd	cob-fcer-016
944	intermediate frequency	10	4	14	2.5	30 at 896 & 40 at 992	smd	cob-fcer-017
990	intermediate frequency	10	5	14	9.5	50 at 960 & 40 at 1020	smd	cob-fcer-018
1007	intermediate frequency	10	8	14	6.5	50 at 960 & 40 at 1050	smd	cob-fcer-019
1015	intermediate frequency	10	36	14	3	15 at ± 65	smd	cob-fcer-020
1020	intermediate frequency	10	5	14	9.5	50 at 960 & 40 at 1050	smd	cob-fcer-021
1028	intermediate frequency	10	66	15	3	50 at 853 & 43 at 1203	smd	cob-fcer-022



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Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
1030	iff	10	15	14	2.6	70 at 1090	smd	cob-fcer-023
1030	iff	10	20	14	2	25 at ± 60	smd	cob-fcer-024
1030	iff	20	16	14	3	60 at 970 & 60 at 1090	smd	cob-fcer-025
1030	iff	10	8	14	1.5	14 at =-20	smd	cob-fcer-026
1030	iff	20	20	14	4	25 at ± 60	smd	cob-fcer-027
1030	iff	20	30	14	4	40 at ± 120	smd	cob-fcer-028
1030	iff	20	19	14	4	60 at ± 60	smd	cob-fcer-029
1030	iff	10	16	14	3	60 at ±60	smd	cob-fcer-030
1030	iff	10	10	14	1.5	34 at ± 36	smd	cob-fcer-031
1030	iff	10	16	14	2.5	48 at ± 40	smd	cob-fcer-032
1030	iff	10	20	14	2.5	40 at ± 30	smd	cob-fcer-033
1030	iff	20	30	14	2	40 at ± 120	smd	cob-fcer-034
1030	iff	20	18	14	6	12 at ± 12	smd	cob-fcer-035
1030	iff	0	1.9	14	2	30 at ± 20	smd	cob-fcer-036
1030	iff	0	16	17	3	60 at 970 & 1090	smd	cob-fcer-037
1035	intermediate frequency	10	33	14	5	50 at 960 & 1110	smd	cob-fcer-038
1052	intermediate frequency	10	155	14	2	45 at 565 & 50 at 1570	smd	cob-fcer-039
1082	intermediate frequency	10	35	14	5	50 at 1010 & 30 at 1125	smd	cob-fcer-040
1090	iff	10	10	14	2.5	40 at 1030 & 40 at 1150	smd	cob-fcer-041
1090	iff	20	40	14	1	20dB at ± 110 MHz	smd	cob-fcer-042
1090	iff	20	25	14	2	40 at 1030 & 40 at 1150	smd	cob-fcer-043
1090	iff	20	10	14	3	70 at ± 25	smd	cob-fcer-044
1090	iff	20	20	14	4	25 at ± 60	smd	cob-fcer-045
1090	iff	20	30	14	4	40 at ± 120	smd	cob-fcer-046
1090	iff	20	19	14	4	60 at ± 60	smd	cob-fcer-047
1090	iff	10	16	14	3	60 at ±60	smd	cob-fcer-048
1090	iff	10	10	14	1.5	34 at ± 36	smd	cob-fcer-049
1090	iff	10	16	14	2.5	48 at ± 40	smd	cob-fcer-050
1090	iff	10	20	14	2.5	40 at ± 30	smd	cob-fcer-051
1090	iff	20	30	14	2	40 at ± 120	smd	cob-fcer-052
1090	iff	20	18	14	6	12 at ± 12	smd	cob-fcer-053
1090	iff	20	16	18	2.5	30 at ± 20	smd	cob-fcer-054
1090	iff	0	1.5	17	4	20 at ± 100	smd	cob-fcer-055
1090	notch	20	60	12	1	-	smd	cob-fcer-056
1090	iff	20	40	14	1.5	20 at ± 100	smd	cob-fcer-057
1090	iff	10	46	17	1	27 at ± 77	smd	cob-fcer-058
1152	intermediate frequency	10	2	10	3	40 at 1024 & 1280	smd	cob-fcer-059
1167	intermediate frequency	10	24	14	2.5	60 at 1000 & 1410	smd	cob-fcer-060
1176	gps	20	28	16	5	45 at ± 44	smd	cob-fcer-061
1176	gps	20	44	16	3	40 at ± 46	smd	cob-fcer-062
1176	gps	10	28	14	5	20 at ± 28	smd	cob-fcer-063
1176	gps	10	44	15	5	20 at ± 32	smd	cob-fcer-064
1177	gps	20	24	14	3	50 at ± 100	smd	cob-fcer-065
1177	gps	20	10	14	4	20 at 1157 & 20 at 1197	smd	cob-fcer-066
1195	gps	20	3	14	5	15 at 1080 & 40 at 2200	smd	cob-fcer-067
1206	gps	10	12	14	7	20 at 1190 & 44 at 1234	smd	cob-fcer-068
1207	gps	20	44	16	3	40 at ± 46	smd	cob-fcer-069
1207	gps	20	28	16	5	45 at ± 44	smd	cob-fcer-070

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1207	gps	10	28	14	5	20 at ± 28	smd	cob-fcer-071
1210	gps	20	70	16	2	60 at 880 & 50 at 1090	smd	cob-fcer-072
1220	gps	10	8	14	5	45 at 1184 & 1256	smd	cob-fcer-073
1227	gps	20	10	14	2.5	14 at ±50	smd	cob-fcer-074
1227	gps	20	28	16	5	45 at ± 44	smd	cob-fcer-075
1227	gps	10	66	14	0.8	20 at ± 100	smd	cob-fcer-076
1227	gps	0	39	14	2	21 at ± 50	smd	cob-fcer-077
1228	gps	10	25	12	1.5	35 at 1087 & 30 at 1367	smd	cob-fcer-078
1236	gps	20	39	14	3	20 at 1197 & 20 at 1277	smd	cob-fcer-079
1237	gps	20	20	14	3	12 at 1350	smd	cob-fcer-080
1237	gps	20	30	14	3	40 at 1150 & 40 at 1230	smd	cob-fcer-081
1237	gps	10	30	14	4	40 at 1150 & 1350	smd	cob-fcer-082
1260	gps	10	18	10	5	60 at 1224	smd	cob-fcer-083
1270	gps	10	15	14	3	75 at 1200 & 30 at 1300	smd	cob-fcer-084
1278	gps	10	44	16	5	40 at ± 46	smd	cob-fcer-085
1278	gps	10	28	16	5	45 at ± 44	smd	cob-fcer-086
1278	gps	10	44	14	5	20 at ± 32	smd	cob-fcer-087
1296	intermediate frequency	10	24	15	4	30 at 1180 & 50 at 1468	smd	cob-fcer-088
1297	gps	10	44	15	5	20 at ± 32	smd	cob-fcer-089
1364	gps	10	25	14	3.5	30 at 1450	smd	cob-fcer-090
1382	intermediate frequency	10	20	14	4.5	45 at 1324 & 1440	smd	cob-fcer-091
1440	gps	20	1	14	2	30 at 111 & 20 at 1329	smd	cob-fcer-092
1440	intermediate frequency	20	2	14	4.5	50 at 1380 & 1500	smd	cob-fcer-093
1450	gps	10	100	16	2	50 at 1574	smd	cob-fcer-094
1487	gps	10	116	14	2	25 at 1210 & 40 at 1975	smd	cob-fcer-095
1490	gps	10	140	14	1.5	35 at 1200 & 30 at 1600	smd	cob-fcer-096
1500	intermediate frequency	10	81	14	8	40 at 1460	smd	cob-fcer-097
1512	intermediate frequency	10	16	14	3.5	40 at 1400	smd	cob-fcer-098
1512	intermediate frequency	10	16	14	3.5	35 at 1450 & 30 at 1565	smd	cob-fcer-099
1517	gps	10	30	14	2.5	54 at 1404 & 1655	smd	cob-fcer-100
1530	intermediate frequency	20	75	14	3	38 at ± 6 72	smd	cob-fcer-101
1532	intermediate frequency	20	24	14	3	50 at ± 100	smd	cob-fcer-102
1532	intermediate frequency	20	10	14	4	20 at 1512 & 20 at 1552	smd	cob-fcer-103
1532	gps	20	10	14	4	20 at 1512 & 20 at 1552	sma	cob-fcer-104
1575	gps	20	10	14	2.5	14 at ±50	smd	cob-fcer-105
1575	gps	10	44	16	3	40 at ± 46	smd	cob-fcer-106
1575	gps	10	28	16	3	45 at ± 44	smd	cob-fcer-107
1575	gps	10	10	14	3	40 at 1698 & 15 at 1525	smd	cob-fcer-108
1575	gps	10	25	10	1.8	35 at 1435 & 30 at 1715	smd	cob-fcer-109
1575	gps	10	20	14	3.7	40 at ± 50	smd	cob-fcer-110
1575	gps space	0	25	14	2.5	40 at 1425 & 1725	smd	cob-fcer-111
1575	gps	10	44	14	5	40 at ± 46	smd	cob-fcer-112
1575	gps/space	10	10	15	0.7	20 at ± 140	smd	cob-fcer-113
1575	gps/space	10	10	15	1.5	32 at ± 140	smd	cob-fcer-114
1587	gps	20	45	14	2.5	30 at ± 300	smd	cob-fcer-115
1587	gps	10	55	14	2	45 at ± 100	smd	cob-fcer-116
1587	gps	10	55	14	2	50 at ± 50	smd	cob-fcer-117
1589	gps	10	25	14	3	10 at 1690	smd	cob-fcer-118



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1589	gps	20	49	14	3	20 at 1545 & 20 at 1633	smd	cob-fcer-119
1590	gps	10	51	14	1	10 at ± 50	smd	cob-fcer-120
1600	intermediate frequency	10	2	14	12	50 at ± 650	smd	cob-fcer-121
1602	gps	10	15	14	4	40 at ± 50	smd	cob-fcer-122
1603	gps	20	14	14	2.5	25 at ± 100	smd	cob-fcer-123
1675	intermediate frequency	10	660	14	2.5	35 at 950 & 20 at 2580	smd	cob-fcer-124
1683	intermediate frequency	10	634	9	2.5	27 at 1316 & 27 at 2133	smd	cob-fcer-125
1687	intermediate frequency	20	24	14	4	40 at 1605 & 40 at 1800	smd	cob-fcer-126
1687	intermediate frequency	10	30	14	4	40 at 1605 & 1800	smd	cob-fcer-127
1690	intermediate frequency	10	50	10	2	35 at 1565	smd	cob-fcer-128
1700	dcs	10	600	9	2.5	30 at 1300 & 40 at 2250	smd	cob-fcer-129
1700	intermediate frequency	20	25	14	3.2	20 at ± 100	smd	cob-fcer-130
1710	dcs	10	15	14	3.5	25 at ± 40	smd	cob-fcer-131
1716	dcs	20	15	14	3.5	40 at ± 100	smd	cob-fcer-132
1717	intermediate frequency	10	20	15	4.2	20 at ± 30	smd	cob-fcer-133
1725	dcs	10	650	9	2.5	27 at 1325 & 35 at 2275	smd	cob-fcer-134
1732	dcs	10	45	14	3	20 at 1690 & 20 at 1775	smd	cob-fcer-135
1780	intermediate frequency	10	140	14	1.5	40 at 1500 & 30 at 1900	smd	cob-fcer-136
1780	pcs	10	140	14	2	35 at 1530 & 20 at 1930	smd	cob-fcer-137
1800	intermediate frequency	10	50	14	3	50 at 900 & 2700	smd	cob-fcer-138
1842	dcs	10	75	12	1.5	10 at 1775 & 5 at 1910	sma	cob-fcer-139
1880	pcs	10	60	14	3	40 at 1755 & 50 at 1930	smd	cob-fcer-140
1882.5	pcs	10	65	15	3	25 at 1770 & 2110	smd	cob-fcer-141
1900	umts	10	1000	9	2.5	25 at 1300 & 30 at 2600	smd	cob-fcer-142
1960	radiolink	10	60	10	3.5	50 at 1910 & 40 at 2100	smd	cob-fcer-143
1962.5	radiolink	10	65	15	3	25 at 1850 & 25 at 2110	smd	cob-fcer-144
2042	radiolink	10	35	14	5	65 at 1902 & 65 at 2220	smd	cob-fcer-145
2085	radiolink	10	50	14	4	65 at 1945 & 60 at 2290	smd	cob-fcer-146
2100	intermediate frequency	20	40	12	2.6	40 at ± 600	smd	cob-fcer-147
2220	radiolink	10	40	14	3.5	35 at 2110 & 35 at 2360	smd	cob-fcer-148
2245	radiolink	10	90	14	3.5	35 at 2110 & 35 at 2360	smd	cob-fcer-149
2270	radiolink	10	40	14	3.5	35 at 2110 & 35 at 2360	smd	cob-fcer-150
2300	radiolink	10	200	14	1.5	20 at 2100	smd	cob-fcer-151
2332	radiolink	10	300	16	2	30 at 1485	smd	cob-fcer-152
2345	radiolink	10	702	14	2.5	40 at 1270	smd	cob-fcer-153
2360	radiolink	10	34	13	2.8	37 at 2360 & 32 at 4580	smd	cob-fcer-154
2400	radiolink	10	800	9	2.5	27 at 1900 & 30 at 3000	smd	cob-fcer-155
2419	radiolink	10	38	10	4	10 at 2445	smd	cob-fcer-156
2450	radiolink	10	100	10	1.5	30 at 5150	smd	cob-fcer-157
2450	radiolink	10	500	15	3	20 at 2920	smd	cob-fcer-158
2464	radiolink	10	38	10	4	12 at 2438	smd	cob-fcer-159
2464	radiolink	10	38	14	3.5	30 at 1500 & 25 at 3200	smd	cob-fcer-160
2464	radiolink	10	38	15	5	13 at 2438 & 20 at 3200	smd	cob-fcer-161
2500	radiolink	10	120	14	3	60 at 700	smd	cob-fcer-162
2500	radiolink	10	200	14	3	65 at ± 600	smd	cob-fcer-163
2510	radiolink	20	20	14	2	10 at ± 160	smd	cob-fcer-164
2510	radiolink	10	20	14	2	40 at ± 160	smd	cob-fcer-165
2545	radiolink	10	150	14	3	60 at 2170 & 50 at 2880	smd	cob-fcer-166

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Ceramic filters  
Lumped element filters

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2550	radiolink	10	100	14	2.5	60 at 2460	smd	cob-fcer-167
2586	intermediate frequency	20	20	12	2	20 at 2350 & 2821	smd	cob-fcer-168
2645	radiolink	10	150	14	3	60 at 2170 & 50 at 2980	smd	cob-fcer-169
2650	radiolink	10	20	14	3	35 at 2775 & 20 at 2400	smd	cob-fcer-170
2650	radiolink	10	50	14	3	15 at 2535 & 60 at 2890	smd	cob-fcer-171
2650	radiolink	10	20	14	3	60 at 2775 & 20 at 2400	smd	cob-fcer-172
2680	radiolink	20	20	14	2	40 at ± 250	smd	cob-fcer-173
2702	intermediate frequency	20	20	12	2	20 at 25456 & 2948	smd	cob-fcer-174
2818	intermediate frequency	20	20	12	2	20 at 2561 & 3075	smd	cob-fcer-175
2934	intermediate frequency	20	20	12	2	20 at 2667 & 3201	smd	cob-fcer-176
3000	intermediate frequency	10	400	14	2	40 at 2060 & 4100	sma	cob-fcer-177
3042	radiolink	10	915	14	3.5	45 at 1750 & 35 at 3877	smd	cob-fcer-178
3208	intermediate frequency	10	210	12	3	50 at 2100 & 4300	smd	cob-fcer-179
3455	radiolink	10	155	14	2	20 at ± 225	smd	cob-fcer-180
3500	radiolink	10	220	15	3	28 at 3240 & 3760	smd	cob-fcer-181
3500	radiolink	10	220	14	2	20 at ± 260	smd	cob-fcer-182
3555	radiolink	10	155	14	2	20 at ± 225	smd	cob-fcer-183
3600	intermediate frequency	10	70	12	3	50 at 1800 & 35 at 5400	smd	cob-fcer-184
3695	radiolink	10	5	14	7	60 at 3439 & 3951	smd	cob-fcer-185
3750	radiolink	10	165	14	2	40 at 3410 & 15 at 3570	smd	cob-fcer-186
3750	radiolink	10	400	14	3	35 at 3450 & 35 at 4050	smd	cob-fcer-187
3770	intermediate frequency	20	5	14	5	60 at ± 240	smd	cob-fcer-188
3800	radiolink	10	800	12	3	40 at ± 1000	smd	cob-fcer-189
3840	intermediate frequency	0	40	15	5.5	30 at ± 60	smd	cob-fcer-190
3935	intermediate frequency	10	24	14	7	70 at 3845 & 30 at 3977	smd	cob-fcer-191
5000	radiolink	10	150	14	2.5	15 at ± 300	smd	cob-fcer-192
5050	radiolink	10	1900	9	2	10 at 3950 & 15 at 6250	smd	cob-fcer-193
5375	radiolink	10	950	10	1.5	35 at 2500	smd	cob-fcer-194
5752.5	radiolink	10	55	14	3	30 at 1500 & 25 at 6000	smd	cob-fcer-195
5847.5	radiolink	10	55	14	3	30 at 1500 & 25 at 6500	smd	cob-fcer-196



**LUMPED ELEMENT FILTERS**

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
10	intermediate frequency	10	1.5	14	3	40 at ± 3	smd	cob-flc-001
12	intermediate frequency	10	1.5	14	3.5	20 at 10&50 at 15	smd	cob-flc-002
28	intermediate frequency	10	6	14	4	40 at 20&40 at 36	smd	cob-flc-003
28	intermediate frequency	10	12	14	5	25 at 25	smd	cob-flc-004
40	intermediate frequency	10	4	14	5	30 at ± 4	smd	cob-flc-005
43	intermediate frequency	10	4	14	2	40 at 33 & 40 at 53	smd	cob-flc-006
48	intermediate frequency	10	4.5	14	3	60 at 33 & 63	smd	cob-flc-007
49	intermediate frequency	10	21	14	3	40 at 10 & 40 at 100	smd	cob-flc-008
50	intermediate frequency	10	20	14	4	40 at 30 & 40 at 70	smd	cob-flc-009
50	intermediate frequency	20	20	14	4	40 at 30 & 70	sma	cob-flc-010
52	lowpass	10	0	14	0.8	35 at +18	smd	cob-flc-011
60	intermediate frequency	10	4	14	3.5	30 at ± 10	smd	cob-flc-012
60	intermediate frequency	10	6	14	3	60 at 42 & 50 at 78	smd	cob-flc-013
60	intermediate frequency	10	9	14	2.5	40 at 48 & 40 at 72	smd	cob-flc-014
60	intermediate frequency	0	10	15	4.5	40 at 48 & 40 at 72	smd	cob-flc-015
60	intermediate frequency	10	6	14	3	20 at 54 & 55 at 78	smd	cob-flc-016
62	intermediate frequency	10	5	14	3	40 at 42 & 82	smd	cob-flc-017
64	intermediate frequency	10	16	14	1.5	40 at 81 & 50 at 112	smd	cob-flc-018
70	intermediate frequency	10	12	14	5.5	42 t 58 & 42 at 82	smd	cob-flc-019
75	intermediate frequency	10	10	14	2	20 at ± 30	smd	cob-flc-020
86	intermediate frequency	10	24	14	1.5	50 at 42 & 40 at 150	smd	cob-flc-021
90	intermediate frequency	10	24	14	3	80 at 48 & 80 at 132	smd	cob-flc-022
90	lowpass	44	0	15	0.9	35 at 104	pin	cob-flc-023
116	intermediate frequency	10	2	14	7	15 at 110	smd	cob-flc-024
120	intermediate frequency	20	5	14	4	30 at 108 & 140	pin	cob-flc-025
121	intermediate frequency	20	13	14	5	70 at 75	pin	cob-flc-026
124	intermediate frequency	20	5	14	4	30 at 108 & 144	pin	cob-flc-027
129	intermediate frequency	20	5	14	4	30 at 108 & 149	pin	cob-flc-028
134	intermediate frequency	20	5.5	14	4	30 at 108 & 154	pin	cob-flc-029
140	intermediate frequency	10	280	14	0.5	20 at 10 & 40 at 400	smd	cob-flc-030
144	intermediate frequency	10	15	14	5	60 at 129 & 65 & 162	smd	cob-flc-031
156	intermediate frequency	20	15	14	5	70 at 109	pin	cob-flc-032
156	lowpass	45	0	14	0.8	35 at 270	pin	cob-flc-033
182	intermediate frequency	10	6	14	11	14 at ± 3	smd	cob-flc-034
192	intermediate frequency	10	10	14	7	50 at 214 & 70 at 236	smd	cob-flc-035
243	intermediate frequency	20	20	14	5	70 at 195	pin	cob-flc-036
270	intermediate frequency	10	500	14	1	20 at 10 & 45 at 650	smd	cob-flc-037
271	lowpass	45	0	14	0.8	29 at 312	pin	cob-flc-038
312	intermediate frequency	10	175	14	3	35 at 200 & 35 at 450	smd	cob-flc-039
400	intermediate frequency	10	50	14	2.2	45 at 350 & 40 at 450	smd	cob-flc-040
410	intermediate frequency	10	220	18	0.5	40 at 200 & 40 at 670	smd	cob-flc-041
450	intermediate frequency	10	10	14	5.5	50 at 400 & 50 at 500	smd	cob-flc-042
470	lowpass	45	0	14	0.8	25 at +570	smd	cob-flc-043
504	intermediate frequency	10	50	10	6	30 at 433 & 40 at 575	smd	cob-flc-044
520	intermediate frequency	10	200	14	0.8	35 at 100 & 60 at 1260	sma	cob-flc-045
655	intermediate frequency	10	25	14	2.5	30 at ± 100	smd	cob-flc-046
710	lowpass	10	0	15	2	30 at 850	smd	cob-flc-047
720	intermediate frequency	10	126	14	3	50 at 320 & 50 at 1310	smd	cob-flc-048

# Filters

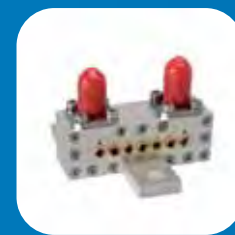
Lumped element filters  
Waveguide filters  
Duplexers

## LUMPED ELEMENT FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
731	intermediate frequency	10	30	14	5	45 at 658 & 806	smd	cob-flc-049
768	intermediate frequency	10	35	14	5	30 at 720 & 816	smd	cob-flc-050
816	intermediate frequency	10	30	14	5	30 at 768 & 864	smd	cob-flc-051
864	intermediate frequency	10	35	14	5	30 at 816 & 912	smd	cob-flc-052
912	intermediate frequency	10	35	15	5.5	50 at 864 & 960	smd	cob-flc-053
942	gsm	10	35	12	1.5	15 at 895 & 990	sma	cob-flc-054
960	intermediate frequency	10	5	15	6	50 at 840 & 50 at 1080	smd	cob-flc-055
1008	intermediate frequency	10	30	14	5.5	50 at 960 & 1056	smd	cob-flc-056
1056	intermediate frequency	10	25	14	6	35 at 1008 & 1104	smd	cob-flc-057
1080	intermediate frequency	10	50	14	4	35 at 996 & 50 at 1200	smd	cob-flc-058
1090	lowpass	10	0	14	0.5	40 at 2100	smd	cob-flc-059
1090	lowpass	55 peak	0	19	0.5	45 at 2060	smd	cob-flc-060
1191	intermediate frequency	10	92	16	5	50 at ± 144	smd	cob-flc-061
1235	intermediate frequency	10	36	14	4	50 at 1030 & 1440	smd	cob-flc-062
1237	intermediate frequency	10	80	14	2.2	35 at ± 200	smd	cob-flc-063
1280	intermediate frequency	10	64	14	4	50 at 720 & 1560	smd	cob-flc-064
1284	intermediate frequency	10	240	10	3	45 at ± 456	smd	cob-flc-065
1296	intermediate frequency	10	30	16	5	50 at 1025 & 20 at 1359	smd	cob-flc-066
1296	intermediate frequency	10	40	14	4	65 at 1152 & 70 at 1440	smd	cob-flc-067
1320	intermediate frequency	10	50	14	4	50 at 1212 & 35 at 1392	smd	cob-flc-068
1400	lowpass	10	0	15	2	28 at 1500	smd	cob-flc-069
1440	intermediate frequency	10	110	14	2.5	25 at 1320 & 1560	smd	cob-flc-070
1584	intermediate frequency	10	55	14	4	70 at 1440 & 65 at 1728	smd	cob-flc-071
1589	intermediate frequency	10	80	14	2.2	35 at ± 200	smd	cob-flc-072
1600	intermediate frequency	10	160	14	3	50 at 1200 & 45 at 3200	smd	cob-flc-073
1600	intermediate frequency	10	225	14	3	30 at 1400 & 1860	smd	cob-flc-074
1650	intermediate frequency	10	276	14	3	20 at 1425 & 22 at 2100	smd	cob-flc-075
1750	intermediate frequency	10	175	14	3	40 at 1250 & 40 at 2500	smd	cob-flc-076
2500	lowpass	10	0	14	0.5	30 at 3200	smd	cob-flc-077

## WAVEGUIDE FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
6875	radiolink	47	300	21	0.3	30 at 6.4 & 25 at 7.4	smd	cob-fwg-001
8112	space	37	375	21	0.3	80 at 5000	sma	cob-fwg-002
9310	radar	47	16	21	1.5	43 at 9.2682 & 9.358	smd	cob-fwg-003
9600	space	47	1000	21	0.3	25 at 19.3	smd	cob-fwg-004
11000	space	47	2050	21	0.3	55 at 13.75	smd	cob-fwg-005
20550	space	10	700	21	1	25 at 17200...17900	k	cob-fwg-006



## CAVITY DUPLEXERS

Low Frequency f1 (MHz)	High Frequency f2 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
35	39.4	radiolink	45	1.15	14	0.9	75	sma	cob-dcav-001
150.8	160.2	marine	50w	6.5	14	1.6	60	sma	cob-dcav-002
380	390	tetra	45	5	14	2	80	sma	cob-dcav-003
412	422	tetra	45	5	21	2	80	sma	cob-dcav-004
413	423	tetra	25	5	21	2	80	sma	cob-dcav-005
414	458	railways	20	12	14	1	50	sma	cob-dcav-006
415	425	tetra	45	5	21	2	80	sma	cob-dcav-007
416	426	tetra	45	5	21	2	80	sma	cob-dcav-008
417	427	tetra	45	5	21	2	80	sma	cob-dcav-009
430	440	railways	25	1	14	1.5	70	sma	cob-dcav-010
450	460	tetra	45	5	21	2	80	sma	cob-dcav-011
455	455	tetra	45	5	21	2	80	sma	cob-dcav-012
457	467	railways	43	2	16	1.5	70	smd	cob-dcav-013
824	869	amps	47	25	21	1.5	50	sma	cob-dcav-014
880	925	gsm	45	1.5	67	20	47	sma	cob-dcav-015
1030	1090	iff	5kw pulse	1.2	18	15	60	sma	cob-dcav-016
1710	1805	dcs	47	75	20	1.5	70	sma	cob-dcav-017
1850	1930	pcs	47	60	14	1.5	50	sma	cob-dcav-018
1855	1935	pcs	47	10	20	1	70	sma	cob-dcav-019
1920	2110	umts	47	75	20	1.5	80	sma	cob-dcav-020
2033	2202	wimax	20	1	21	1.5	95	sma	cob-dcav-021
2500	2670	wimax	37	20	20	1	70	sma	cob-dcav-022
2560	2670	wimax	37	20	20	1	70	sma	cob-dcav-023

## CERAMIC DUPLEXERS

382.5	392.5	tetra	34	5	14	4.5	40	smd	cob-dcer-001
387	397	tetra	34	5	14	4.5	40	smd	cob-dcer-002
412.5	422.5	tetra	34	5	14	4.5	40	smd	cob-dcer-003
442.5	452.5	tetra	34	5	14	4.5	40	smd	cob-dcer-004
447.5	457.5	tetra	34	5	14	4.5	40	smd	cob-dcer-005
452.5	462.5	tetra	34	5	14	4.5	40	smd	cob-dcer-006
457.5	467.5	tetra	34	5	14	4.5	40	smd	cob-dcer-007
822	868	repeater	10	20	14	3	20	smd	cob-dcer-008
876	921	repeater	10	4	14	5	60	smd	cob-dcer-009
1176	1207	gps	10	24	14	3	40 at ± 46	smd	cob-dcer-010
1227	1575	gps	10	44	14	3	40 at ± 46	smd	cob-dcer-011
1227	1575	gps	10	24	14	1.7	30	smd	cob-dcer-012
1227	1575	gps	10	24	11	3	40	smd	cob-dcer-013
1227	1575	gps	20	16	15	1	11 at ± 75	smd	cob-dcer-014
1227	1587	gps	20	98	15	0.8	30 at ± 200	smd	cob-dcer-015
1255	1575	repeater	20	40	14	1	30 at ± 250	sma	cob-dcer-016
1575	1603	gps	10	12	14	1.5	16 at ± 30	smd	cob-dcer-017
1732.5	1882.5	dcs	10	45	14	2.5	35	smd	cob-dcer-018
1882.5	1962.5	dcs	37	65	14	3	20	smd	cob-dcer-019
1882.5	1962.5	dcs	10	65	14	2.7	23	smd	cob-dcer-020
1950	2140	umts	10	60	14	3	25	smd	cob-dcer-021
1962.5	2132.5	wimax	10	0	14	2.5	45	smd	cob-dcer-022
2535	2655	wimax	10	70	14	3	45	smd	cob-dcer-023

## LUMPED ELEMENT DUPLEXERS

150	410	Vhf/Uhf diplexer	10	25	17	1	50	smd	cob-delf-001
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## WAVEGUIDE DUPLEXERS

12750	13012	radiolink	47	120	18	2	70	smd	cob-dwg-001
17700	18710	radiolink	47	500	18	2	70	smd	cob-dwg-002