

FILTERS, LOW PASS

DC to 1 GHz 50 Ω

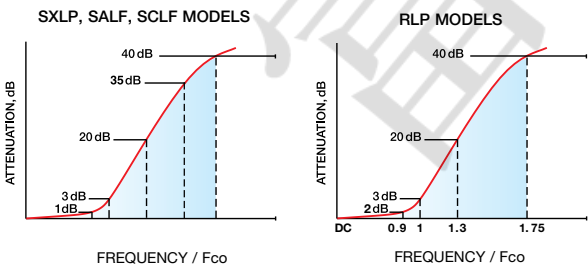
PLASTIC PACKAGE



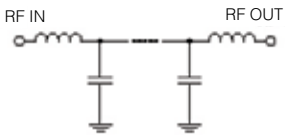
SALF, SCLF
Case YY101, YY161

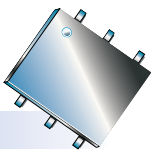
MODEL PREFIX	PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1) PASSBAND
			(Loss > 20 dB)	(Loss > 40 dB)	
	(Loss < 1 dB)	(Loss 3 dB)			Typ.
0.75" x 0.45" x 0.28" Max.					
SCLF-4.7	DC-4.7	5.6	6.6-7.4	7.4-600	1.25
SCLF-5	DC-5.0	5.8	8-10	10-200	1.70
SCLF-8	DC-8.0	9.2	12.5-16.5	16.5-200	1.70
SCLF-8.4	DC-8.4	9.4	11.4-12.6	12.6-210	1.25
SCLF-10	DC-10	12.2	14-16	16-230	1.20
SCLF-10.7	DC-11	14	19-24	24-200	1.70
SCLF-21.4	DC-22	24.5	32-41	41-200	1.70
SCLF-23	DC-23	25	31-34	34-320	1.50
SCLF-25	DC-25	28	36-47	47-200	1.70
SCLF-27	DC-27	30	36-41	41-480	1.30
SCLF-30	DC-30	35	47-61	61-200	1.70
SCLF-36	DC-36	40	50-57	57-390	1.30
SCLF-44	DC-44	48.5	59-65.5	65.5-420	1.30
SCLF-45	DC-45	55	70-90	90-200	1.70
SCLF-65	DC-65	71	86-96	96-510	1.30
SALF-78	DC-78	93	120-136	136-550	1.30
SCLF-95	DC-95	108	146-189	189-400	1.70
SALF-116	DC-116	142	178-220	220-825	1.30
SCLF-135	DC-135	155	210-300	300-600	1.70
SALF-146	DC-146	171	210-240	240-850	1.50
SCLF-190	DC-190	210	290-390	390-800	1.70
SCLF-225	DC-225	250	340-440	440-1200	1.70
SALF-265	DC-265	308	390-470	470-1100	1.20
SALF-325	DC-325	383	480-580	580-1300	1.30
SCLF-380	DC-380	440	580-750	Loss > 35 dB 750-1800	1.70
SALF-396	DC-396	458	550-620	620-1430	1.30
SCLF-420	DC-420	570	750-920	920-2000	1.70
SALF-490	DC-490	620	800-900	900-1600	1.30
SCLF-550	DC-550	605	800-1050	1050-2000	1.70
SALF-580	DC-580	720	1000-1300	1300-2100	1.50
SALF-680	DC-680	790	1090-1400	1400-2200	1.40
SCLF-700	DC-700	770	1000-1300	1300-2000	1.70
SALF-800	DC-800	935	1200-1300	1300-2550	1.60
SALF-865	DC-865	980	1300-1400	1400-2550	1.40
SCLF-1000	DC-1000	1200	1620-2100	2100-2500	1.70

TYPICAL FREQUENCY RESPONSE



FUNCTIONAL SCHEMATIC





SHIELDED METAL CASE

MODEL PREFIX	PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1) PASSBAND
			(Loss > 20 dB)	(Loss > 40 dB)	
	(Loss < 1 dB)	(Loss 3 dB)			Typ.

0.75" x 0.45" x 0.28" Max.

SXLP-4.7 SXLP-5 SXLP-8 SXLP-8.4	DC-4.7 DC-5 DC-8 DC-8.4	5.6 5.8 9.2 9.4	6.6-7.4 8-11 12.5-16.5 11.6-13	7.4-600 11-800 16.5-1000 13-400	1.25 1.70 1.70 1.25
SXLP-10 SXLP-10.7 SXLP-21.4 SXLP-23	DC-10 DC-11 DC-22 DC-23	11.2 14 24.5 25	14-16 19-24 32-41 31-34	16-230 24-1600 41-2000 34-500	1.20 1.40 1.30 1.50
SXLP-25 SXLP-27 SXLP-30 SXLP-36	DC-25 DC-27 DC-30 DC-36	28 30 35 40	36-37 36-41 47-61 50-57	47-1000 41-810 61-1500 57-560	1.70 1.30 1.70 1.30
SXLP-40 SXLP-44 SXLP-45 SXLP-65	DC-40 DC-44 DC-45 DC-65	50 48.5 54 71	54-80 59-65.5 70-90 86-96	80-2750 65.5-600 90-1600 96-710	1.30 1.40 1.70 1.30
SXLP-90 SXLP-95 SXLP-135 SXLP-190 SXLP-225	DC-90 DC-95 DC-135 DC-190 DC-225	94 108 155 210 250	105-170 146-189 210-300 290-390 340-440	170-1000 189-1400 300-1600 390-1000 440-1600	1.20 1.70 1.30 1.40 1.40
SXLP-380 SXLP-420 SXLP-450 SXLP-550	DC-380 DC-420 DC-450 DC-550	440 570 465 605	580-750 750-920 495-545 800-1050	Loss > 35 dB 750-2200 920-2000 545-3000 1050-2000	1.30 1.70 1.20 1.20
SXLP-550A SXLP-700 SXLP-1000	DC-550 DC-700 DC-1000	565 770 1200	600-630 1000-1300 1620-2100	630-2300 1300-2000 2100-2500	1.20 1.70 1.70

0.35" x 0.35" x 0.100"

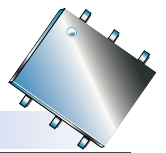
RPL-30 RPL-40 RPL-50 RPL-70	Loss < 2 dB DC-30 DC-40 DC-50 DC-70	37 56 59 77	47-53 70-80 78-91 100-115	53-3000 80-800 91-1000 115-1000	1.15 1.10 1.10 1.10
RPL-83 RPL-105 RPL-120 RPL-137	DC-83 DC-105 DC-120 DC-137	93 116 132 150	118-135 145-165 170-205 190-215	135-850 165-1000 205-1000 215-1000	1.10 1.10 1.10 1.10
RPL-158 RPL-176 RPL-190 RPL-216	DC-158 DC-176 DC-190 DC-216	172 191 220 232	220-255 245-285 264-300 295-340	255-1000 285-1000 300-1300 340-1300	1.10 1.10 1.10 1.10
RPL-264 RPL-288 RPL-320	DC-264 DC-288 DC-320	288 310 345	265-425 390-455 440-510	425-1500 455-1500 510-1600	1.20 1.15 1.15
RPL-340 RPL-470 RPL-900	DC-340 DC-470 DC-900	365 510 1000	475-560 650-780 1300-1750	560-1500 780-2000 1750-2900	1.15 1.15 1.20

MODEL PREFIX	PASSBAND (MHz)	fco (MHz) Nom.	STOPBAND (MHz)		VSWR (:1)	
			(Loss > 20 dB)	(Loss > 40 dB)	Stopband Typ	Passband Typ.
	(Loss < 1.5 dB)	(Loss 3 dB)				

0.47" x 0.83" x 0.22"

LPF-BOR3 LPF-BOR5 LPF-BOR6 LPF-BOR7 LPF-BOR8 LPF-BOR35	DC-0.30 DC-0.50 DC-0.60 DC-0.70 DC-0.80 DC-0.35	0.46 0.81 0.88 1.08 1.25 0.57	0.56-0.61 1.00-1.12 1.08-1.23 1.30-1.46 1.55-1.75 0.70-0.79	0.61-1000 1.12-1000 1.23-1000 1.46-1000 1.75-1000 0.79-1000	20 20 20 20 20 20	1.1 1.2 1.2 1.2 1.1 1.2
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FILTERS, LOW PASS

DC to 7.2 GHz 50 Ω

LFTC
Case FR933



LFCV
Case JV1210C



LFCN
Case FV1206



CERAMIC (LTCC)

MODEL PREFIX	PASSBAND (MHz) (Loss < 1.3 dB) Typ.	fco (MHz) Nom. (Loss 3 dB) Typ.	STOPBAND (MHz)			VSWR (:1) PASSBAND Typ.	POWER INPUT (W)	NUMBER OF SECTIONS
			(Loss > 20 dB)	(Loss > 40 dB)	fr 20 dB Typ.			

0.15" x 0.15" x 0.028"

LFTC-850	DC-850	1078	1500	2000-3500	5500	1.2	16	7
LFTC-1350	DC-1350	1550	2100	2700-4000	7000	1.2	15	7
LFTC-1700	DC-1700	1980	2700	3300-3880	7200	1.2	14	7
LFTC-2000	DC-2000	2430	3450	4500-5400	8000	1.2	10	7
LFTC-3300	DC-3300	4100	5600	—	10000	1.2	10	7
LFTC-4000	DC-4000	5325	7250	—	9500	1.2	10	7
LFTC-5400	DC-5400	6410	9000-11000	—	12000	1.1	19	7

0.126" x 0.098" x 0.059"

LFCV-45	DC-45	77	120	150-910	1100	1.2	8.5	7
LFCV-52	DC-52	93	140	170-1100	1200	1.2	8.5	7

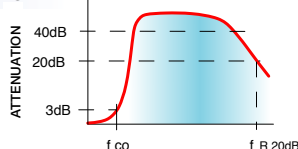
MODEL PREFIX	PASSBAND (MHz) (Loss < 1.5 dB) Max.	fco (MHz) Nom. (Loss 3 dB) Typ.	STOPBAND (MHz) (Loss, dB)			VSWR (:1) PASSBAND Typ.	POWER INPUT (W) Max.	NUMBER OF SECTIONS
			f 20 Min.	40 Typ.	fr 20 Typ.			

0.126" x 0.063" x 0.037"

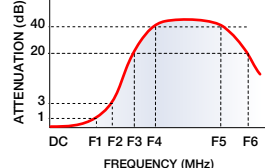
LFCN-80	DC-80	145	200	225-1550	4500	1.2	8.5	7
LFCN-95	DC-95	165	230	255-1600	4500	1.2	8.5	7
LFCN-105	DC-105	180	250	265-1650	4750	1.2	8.5	7
LFCN-120	DC-120	195	280	300-1850	4750	1.2	8.5	7
LFCN-160	DC-160	230	330	480-2700	6100	1.2	8	7
LFCN-180	DC-180	270	370	525-2350	6400	1.2	8	7
LFCN-190	DC-190	280	400	510-2800	6550	1.2	8	7
LFCN-225	DC-225	350	460	510-2500	5500	1.2	8.5	7
LFCN-320	DC-320	460	560	640-2500	5300	1.2	8.5	7
LFCN-400	DC-400	560	660	680-3000	5500	1.2	8.5	7
LFCN-490	DC-490	650	800	880-2500	6000	1.2	8.5	7
LFCN-530	DC-530	700	820	945-3000	6000	1.2	8.5	7
LFCN-575	DC-575	770	900	1050-3200	5500	1.2	8.5	7
LFCN-630	DC-630	830	1000	1050-3500	6000	1.2	8.5	7
LFCN-800	DC-800	990	1400	30 dB Typ. 1500-2000	4500	1.2	9	5
LFCN-900	DC-850	1075	1275	1350-4850	5100	1.2	10	7
LFCN-1000	DC-1000	1300	1550	1900-5000	5500	1.3	10	7
LFCN-1200	DC-1200	1530	1865	2000-5000	6200	1.2	10	7
LFCN-1325	DC-1325	1560	2100	2200	4250	1.4	9	5
LFCN-1400	DC-1400	1700	2015	2100-6600	6800	1.2	10	7
LFCN-1450	DC-1450	1825	2025	2050-6600	6700	1.2	10	7
LFCN-1500	DC-1500	1825	2100	2150-6600	6800	1.2	10	7
LFCN-1525	DC-1525	1750	2040	2120-6600	6700	1.2	10	7
LFCN-1575	DC-1575	1875	2175	2225-6800	7100	1.2	10	7
LFCN-1700	DC-1700	2050	2375	2500-6500	7000	1.2	10	7
LFCN-1800	DC-1800	2125	2425	2500-7200	8600	1.2	10	7
LFCN-2000	DC-2000	2275	3000	3100-3500	4600	1.3	9	5
LFCN-2250	DC-2200	2575	2900	3000-5000	7200	1.2	10	7
LFCN-2400	DC-2400	2800	3600	3700-4000	5000	1.2	9	5
LFCN-2500	DC-2500	3075	3675	3800-6100	8000	1.2	10	7
LFCN-2600	DC-2600	3125	3750	3900-6600	8400	1.2	10	7
LFCN-2750	DC-2750	3150	4000	4150-6800	8400	1.2	10	7
LFCN-2850	DC-2800	3300	4000	4200-7400	9000	1.2	10	7
LFCN-3000	DC-3000	3600	4550	4780-7500	10000	1.2	10	7
LFCN-3400	DC-3400	3950	4300	4600-7800	8300	1.2	8	5
LFCN-3800	DC-3900	4850	6000	5700-8300	13000	1.3	8	7
LFCN-4400	DC-4400	5290	6700	6280-9800	13000	1.2	8	7
LFCN-5000	DC-5000	5580	6850	7050	18000	1.2	9	7
LFCN-5500	DC-5500	6200	7200	6770-9500	12100	1.3	8	7
LFCN-5850	DC-5850	6540	7600	7100-9900	12500	1.3	8	7
LFCN-6000	DC-6000	6800	8500	8700-10500	18000	1.3	9	7
LFCN-6400	DC-6400	7200	8300	7770-10200	12500	1.2	8	7
LFCN-6700	DC-6700	7600	9300	9500-11000	18000	1.3	9	7
LFCN-7200	DC-7200	8150	9500	8850-9600	12300	1.3	8	7

TYPICAL FREQUENCY RESPONSE

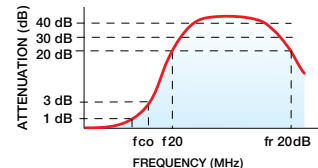
LFTC MODELS

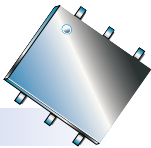


LFCV MODELS



LFCN MODELS





SHIELDED METAL CASE

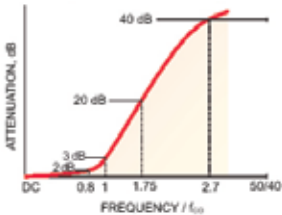


MODEL PREFIX	STRUCTURE	PASSBAND (MHz)	f _{co} (MHz) Nom.	STOPBAND (MHz)		CROSSOVER ISOLATION (dB)	VSWR (:1)	
		(Loss < 2.0 dB)	(Loss 3 dB)	(Loss > 20 dB)	(Loss > 40 dB)		Passband Typ	Stopband Typ.

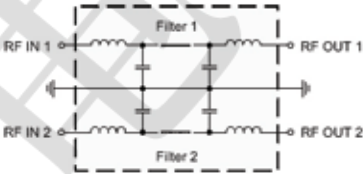
DUAL LOW PASS High Rejection, 50 Ω
 DC to 30 MHz, DC to 80 MHz

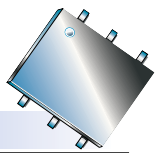
LPFD-3040	Filter 1	DC-30	40	70-110	110-2000	60	1.2	20
	Filter 2	DC-40	49	85-130	130-2000	60	1.2	20
LPFD-7080	Filter1	DC-70	80	135-200	200-2500	60	1.2	20
	Filter2	DC-80	93	155-250	250-2500	60	1.2	20

TYPICAL FREQUENCY RESPONSE (for each filter)



FUNCTIONAL SCHEMATIC





FILTERS, HIGH PASS 50 Ω

18 MHz to 13 GHz



SCHF
Case YY161



RHP
Case GP731



JCHP
Case BG291

MODEL PREFIX	STOPBAND (MHz)		fco (MHz) Nom.	PASSBAND (MHz)	VSWR (:1)		POWER INPUT (W)
	(Loss > 40 dB)	(Loss > 20 dB)			STOPBAND Typ.	PASSBAND Typ.	

PLASTIC PACKAGE 0.75" x 0.45" x 0.28"

SCHF-17	DC-9	9-13	16.5	18-200	18	1.25	0.5
SCHF-25	DC-13	13-19	25	27.5-200	18	1.30	0.5
SCHF-300	DC-145	145-190	245	290-1200	18	1.50	0.5

METAL SHIELDED CASE 0.35" x 0.35" x 0.100"

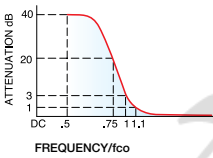
RHP-44	DC-25	DC-32	44	95-2400	18	1.20	0.5
RHP-65	DC-37	DC-48	65	130-2000	18	1.20	0.5
RHP-73	DC-42	DC-55	73	140-2000	18	1.20	0.5
RHP-92	DC-50	DC-65	92	160-2500	18	1.20	0.5
RHP-110	DC-60	DC-75	110	185-2500	18	1.20	0.5
RHP-122	DC-65	DC-85	122	200-3000	18	1.20	0.5
RHP-139	DC-75	DC-100	139	225-3000	18	1.20	0.5
RHP-147	DC-80	DC-105	147	250-3000	18	1.20	0.5
RHP-180	DC-100	DC-135	180	300-3000	18	1.20	0.5
RHP-225	DC-125	DC-165	225	360-3000	18	1.20	0.5
RHP-250	DC-135	DC-180	250	400-3000	18	1.20	0.5
RHP-260	DC-145	DC-190	260	300-2200	20	1.30	0.5
RHP-290	DC-150	DC-210	290	430-3100	18	1.20	0.5
RHP-305	DC-160	DC-215	305	420-3200	18	1.20	0.5
RHP-395	DC-210	DC-290	395	650-2750	18	1.20	0.5
RHP-755	DC-350	DC-550	755	1200-3400	18	1.25	0.5

METAL CASE 0.870" x 0.80" x 0.250"

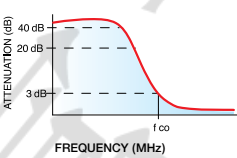
JCHP-1200	DC-730	DC-1040	1200	Loss < 2 dB 1400-3000	20	1.50	0.5
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TYPICAL FREQUENCY RESPONSE

SCHF

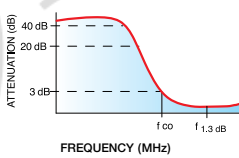


HFTC



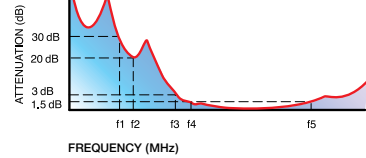
HFCN

(Except HFCN-2700A through -8400)

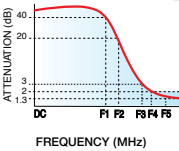


HFCN

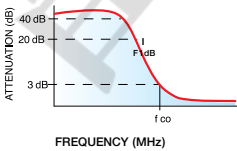
(For HFCN-2700A through -8400)



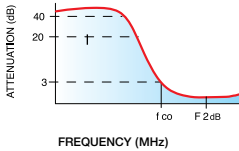
HFCV

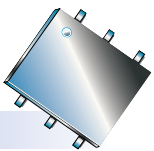


RHP



JCHP

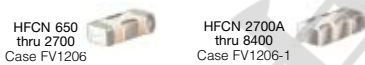




CERAMIC (LTCC)

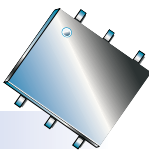


MODEL PREFIX	STOPBAND (MHz)		fco (MHz) Nom. (Loss 3 dB) Typ.	PASSBAND (MHz) (Loss < 1.3 dB)	VSWR (:1)		No. SECTIONS	POWER INPUT (W)
	(Loss > 40 dB)	(Loss > 20 dB)			STOPBAND Typ.	PASSBAND Typ.		
0.15" x 0.15" x 0.028"								
HFTC-9R5	DC-600	750	950	1300-3500	18	1.3	7	14
HFTC-16	DC-1030	1300	1580	1900-2700	18	1.3	7	14
HFTC-19	DC-1450	1650	1995	2300-5500	18	1.3	7	10
HFTC-26	DC-1450	2000	2570	3000-7000	18	1.5	7	10
HFTC-39	DC-1900	3050	3900	4600-5500	18	1.4	7	10
0.126" x 0.098" x 0.059"								
HFCV-145	DC-80	115	132	145-1050	20	1.5	7	8.5



MODEL PREFIX	STOPBAND (MHz) Min.		fco (MHz) Nom. (Loss 3 dB) Typ. F3	PASSBAND (MHz)		VSWR Typ. Frequency (MHz) 1.5:1	NO. SECTIONS	POWER INPUT (W) Max.
	(Loss > 40 dB) F1	(Loss > 20 dB) F2		(Loss < 1.3 dB) Max. F4-F5	(Loss < 2 dB) Typ.			
0.126" x 0.063" x 0.037"								
HFCN-650	390	480	650	850-2000	710-2490	20	7	7
HFCN-740	430	550	740	900-2200	780-2800	20	7	7
HFCN-880	500	640	880	1060-2500	950-3200	20	7	7
HFCN-1200	750	910	1180	1380-4000	1220-4600	20	7	7
HFCN-1300	690	930	1300	1510-4000	1400-5000	20	7	7
HFCN-1320	880	1060	1320	1700-3800	1400-5000	20	7	7
HFCN-1500	1090	1250	1550	1850-4400	1600-5500	20	7	7
HFCN-1600	1090	1290	1600	1950-4000	1650-5000	20	7	7
HFCN-1760	950	1230	1760	2100-5200	1900-5500	20	7	7
HFCN-1810	1100	1480	1810	2250-3850	1950-4750	20	7	7
HFCN-1910	1075	1400	1910	2200-4400	2000-5200	20	7	7
HFCN-2000	1300	1530	2000	2410-5550	2260-6250	20	7	7
HFCN-2100	1050	1530	2100	2500-5000	2200-6000	20	7	7
HFCN-2275	1400	1770	2275	2640-6230	2450-7000	20	7	7
HFCN-2700	1500	1800	2500	3000-5700	2650-6500	20	7	7
HFCN-2700A	Loss > 30 dB Typ.	2150	2700	Loss < 1.5 dB Max.	Loss < 2 dB Max.	20	5	7
HFCN-3100	2270	2450	3100	3070-8500	2900-8700	20	5	7
HFCN-3500	2500	2800	3500	3500-9500	3400-9900	20	5	7
HFCN-3800	2900	2800	3800	4000-8800	3900-9800	20	5	7
HFCN-4400	3100	3200	3800	4500-9000	4250-10000	20	5	7
	3600	3500	4400	5000-9900	5000-10100	20	5	7
HFCN-4600	3700	3800	4600	5200-10500	5000-11000	20	5	7
HFCN-5050	3600	4200	5050	5650-9700	5500-10000	20	5	7
HFCN-5500	4000	4500	5500	6600-11000	6000-11500	20	5	7
HFCN-6010	5190	5200	6010	6350-13000	6350-1500	20	5	7
HFCN-7150	5100	6150	7150	8500-10500	7900-11000	20	5	6
HFCN-8400	5700	6000	8400	Loss <2.5 dB Max. 9500-13000	Loss < 3 dB Max. 9000-13000	20	5	7



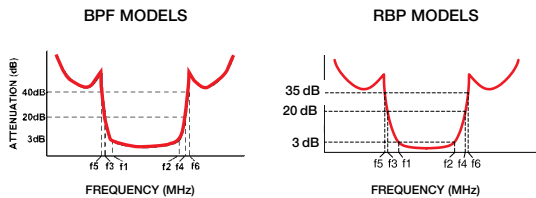


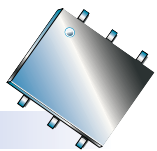
FILTERS, BAND PASS 50 Ω
24 MHz to 8750 MHz



MODEL PREFIX	CENTER FREQUENCY (MHz) F _C	PASSBAND (MHz) (Loss < 3 dB) f1-f2	LINEAR PHASE		STOPBANDS (MHz)				VSWR (:1)	
			(MHz) F _C ±	Typ. (± deg.)	(Loss > 20 dB) f3 f4		(Loss > 40 dB) f5 f6		PASSBAND Max.	STOPBAND Typ.
SHIELDED METAL CASE										
RBP-75	75	60-90	15	8	37	122	30	155-2000	1.7	18
RBP-98	103	75-131	—	—	55	170	45	210-2000	1.7	18
RPB-130	130	95-180	—	—	50	280	48	310-2500	1.3	20
RBP-135	135	120-150	15	12	85	210	75	245-2000	1.8	18
RBP-160	165	120-210	—	—	85	280	70	340-2000	1.6	18
RBP-173	172.5	160-185	15	10	129	230	80	245-1500	1.8	18
RBP-204	204	175-237	—	—	135	300	115	350-2000	1.4	18
RBP-220	220	212-228	30	8	150	290	100	320-1000	1.7	18
RBP-220W	220	190-250	—	—	80	310	50	330-2000	1.8	18
RBP-253	253	186-340	—	—	140	440	120	500-3000	2.1	18
RBP-263	263.5	230-297	43	8	140	360	80	500-1000	1.7	18
RBP-275	275	268-282	30	8	209	350	120	370-1000	1.7	18
RBP-280	280	260-310	30	12	205	375	185	420-2000	1.6	30
RBP-400	391	292-490	—	—	230	620	200	700-2000	2.3	18
RBP-415	415	404-426	45	10	255	550	120	750-2000	1.7	18
RBP-440	440	410-470	30	6	320	650	200	850-1500	1.3	20
RBP-650	652	624-680	—	—	560	760	520	810-1000	2.8	18
BPF-A69	69	55-83	—	—	40	97	32	103-500	1.6	20
BPF-A75	75	72-78	—	—	65	88	62	95-750	1.2	20
BPF-A76	75.5	74-77	—	—	65	86	60	94-1000	1.8	20
BPF-A113	113	108-118	—	—	95	140	85	155-2000	1.7	20
BPF-A122	122	119-125	—	—	111	132	105	137-500	1.6	20
BPF-A175	122	119-125	—	—	111	132	105	137-500	1.7	20
BPF-A127	127	118-137	—	—	105	155	95	180-2200	1.3	20
BPF-A135	135	132-138	—	—	123	148	115	160-2000	1.2	20
BPF-A176	176	175-177	—	—	162	190	155	200-2000	1.4	20
BPF-A328	328	327-329	7.5	6	305	350	300	370-2000	1.7	20
BPF-A332	332	329-335	—	—	305	365	290	385-2200	1.8	20
BPF-A400	400	390-410	15	6	350	490	320	600-2000	1.9	20
BPF-A410	410	365-455	—	—	300	515	275	535-2200	1.5	20
BPF-A490	490	400-600	—	—	280	680	250	710-2000	2.0	20
BPF-A580	580	520-640	60	11	440	720	380	760-2500	1.9	20
BPF-A730	730	670-795	—	—	610	910	575	1100-1800	1.5	20
BPF-A800	800	795-805	7.5	1	700	900	660	1000-2500	1.8	20
BPF-A1340	1340	1000-1800	—	—	800	2300	750	2400-4300	2.0	20
BPF-B48	48	47-49	—	—	41	56	37	64-2400	1.5	20
BPF-B157	122	119-125	—	—	111	132	105	137-500	1.4	20
BPF-B177	122	119-125	—	—	111	132	105	137-500	1.7	20
BPF-B140N	140	137-143	—	—	126	154	119	165-1500	1.6	30
BPF-B140W	140	135-145	—	—	117	165	105	190-1500	1.4	30
BPF-B190	190	185-195	—	—	170	212	155	230-2000	1.5	30
BPF-B503	503	495-510	—	—	440	565	400	610-2600	1.5	30
BPF-C73	73	63-85	—	—	45	105	40	110-550	1.6	18
BPF-C75	75	60-90	—	—	46	102	42	108-1800	1.6	18
BPF-C138	138	105-180	—	—	87	201	70	220-750	1.5	18
BPF-C450	450	400-510	—	—	310	700	150	760-1200	1.7	18
BPF-C650	650	560-780	—	—	280	890	185	920-1600	1.8	18

TYPICAL FREQUENCY RESPONSE





MODEL PREFIX	CENTER FREQUENCY (MHz) Fc	PASSBAND (MHz) (Loss < 3 dB) f1-f2	LINEAR PHASE		STOPBANDS (MHz)				VSWR (:1)	
			(MHz)	Typ.	(Loss > 20 dB)		(Loss > 35 dB)		PASSBAND Max.	STOPBAND Typ.
			Fc ±	(± deg.)	f3	f4	f5	f6		

SHIELDED METAL CASE

0.75" x 0.45" x 0.28"

Max										
SXBP-35N	35	30-45	—	—	21	60	19	65-1350	1.5	18
SXBP-35W	35	24-46	—	—	16	73	5.0	81-1000	1.5	18
SXBP-70	70	63-77	7.5	7	50	95	19	195-1000	1.7	20
SXBP-140	140	130-150	—	—	110	185	100	210-2000	1.1	20
SXBP-150	150	140-160	—	—	120	190	100	250-2400	1.3	20
SXBP-157	157	150-164	—	—	131	187	115	215-2000	1.2	20
SXBP-162	162	155-169	—	—	138	200	127	280-1600	1.6	20
SXBP-169	169	164-174	—	—	137	205	122	240-2500	1.3	18
SXBP-178	178	170-186	—	—	150	210	135	240-2000	1.5	20
SXBP-240	240	238-242	—	—	220	260	210	275-2500	1.3	18
SXBP-350	350	330-375	—	—	280	435	245	520-2000	1.5	20
SXBP-425	425	410-440	15	11	385	470	360	510-2500	1.7	20
SXBP-507	507	460-560	—	—	300	615	220	635-2250	1.6	20
SXBP-615	615	565-670	—	—	380	720	250	740-2300	1.9	20
SXBP-640	640	600-680	45	16	500	750	425	785-2400	2.1	20
SXBP-707	707	650-770	—	—	450	830	400	840-5000	2.3	20
SXBP-1200	1200	800-1800	—	—	535	2220	530	2250-5000	2.1	20
SXBP-1430	1430	950-2150	—	—	575	2850	570	2850-5000	1.3	20
SXBP-1430-75	1430	950-2150	—	—	540	2950	530	3000-5000	1.3	20

0.87" x 0.80" x 0.1100"

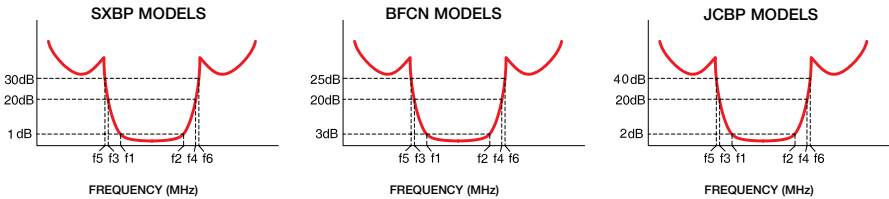
(Loss < 2 dB)										
JCBP-43	43	26-60	—	—	12.5	130	10	160-1500	1.6	20
JCBP-290	290	100-480	—	—	65	630	50	760-2000	2.2	20
JCBP-900	900	480-1320	—	—	380	1790	376	1800-3000	2.0	20
(Loss > 40 dB)										

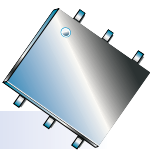
MINIATURE CERAMIC (LTCC)

0.126" x 0.063" x 0.037"

(Loss > 30 dB)										
BFCN-1560	1560	1500-1620	—	—	1100	2100	1040	2150-4200	1.7	20
BFCN-2555	2555	2500-2610	—	—	1970	3200	2000	3250-5500	2.8	20
BFCN-2900	2900	2700-3100	—	—	1850	4200	1800	4900-7000	3.6	20
BFCN-4400	4440	4200-4700	—	—	2000	6750	2000	6650-12000	2.0	20
(Loss < 3.5 dB)										
BFCN-1445	1445	1420-1470	—	—	1190	2050	1040	2850-3840	2.5	30
BFCN-1525	1525	1480-1570	—	—	1250	2180	1090	2960-3960	2.6	30
BFCN-1575	1575	1530-1620	—	—	1290	2220	1130	2990-3990	3.0	30
BFCN-1840	1840	1750-1930	—	—	1480	2860	1320	4110-5110	2.5	30
BFCN-1855	1855	1790-1920	—	—	1510	2810	1310	3880-4880	2.5	30
BFCN-1945	1946	1850-2040	—	—	1575	2900	1400	3880-4880	2.5	30
BFCN-2275	2275	2170-2380	—	—	1800	3430	1510	4390-5390	2.5	20
BFCN-2360	2360	2250-2470	—	—	1850	3600	1550	4470-5470	3.0	30
BFCN-2435	2435	2340-2530	—	—	1940	3580	1660	4390-5390	3.0	30
BFCN-2840	2840	2750-2930	—	—	1550	4000	1500	4050-6000	3.0	20
BFCN-2850	2850	2750-2950	—	—	1500	4300	1450	4350-5900	1.9	20
BFCN-2910	2910	2850-2970	—	—	1600	4200	1550	4250-6000	2.6	20
BFCN-3010	3010	2920-3100	—	—	1530	4450	1300	4650-6600	3.0	20
(Loss 15 dB typ.)										
BFCN-7200	7200	7100-7300	—	—	6650	8100	6500	8500-14000	1.4	30
BFCN-7350	7350	7150-7550	—	—	6500	8500	6325	8700-14000	1.3	30
BFCN-7500	7500	7450-7650	—	—	6700	8800	6400	9300-14000	1.5	30
BFCN-7700	7700	7500-7900	—	—	6800	9000	6500	9600-14000	1.4	30
(Loss 20 dB typ.)										
BFCN-7900	7900	7800-8100	—	—	6800	9300	6600	9600-15000	1.4	30
BFCN-8000	8000	7900-8100	—	—	7000	9300	6800	10000-15000	1.6	30
BFCN-8350	8350	8250-8450	—	—	7400	9600	7200	9700-15000	1.6	30
BFCN-8450	8450	8350-8550	—	—	7500	9800	7300	10000-15000	1.4	30
BFCN-8650	8650	8550-8750	—	—	7700	9900	7500	10000-15000	1.5	30

TYPICAL FREQUENCY RESPONSE





FILTERS, BAND STOP, DIPLEXERS
5 MHz to 1550 MHz

SHIELDED METAL CASE



MODEL PREFIX	STOPBAND, (MHz)		LOSS 3 dB Typ. f4, f5	PASSBAND, (MHz)		VSWR (:1)	
	(Loss > 20 dB) f6-f7	(Loss > 35 dB) f8-f9		(Loss < 1 dB) f1	(Loss <1.5 dB) f2, f3	PASSBAND Typ.	STOPBAND Typ.

BAND STOP, 50 Ω

BSF-108	88-108	90-105	81&102	65	140-1000	1.3	6.0
BSP-255310	255-310	262-295	230 & 345	180	400-1000	1.6	12.0



MODEL PREFIX	INSERTION LOSS (dB) PASSBAND (MHz)		ISOLATION (dB) STOPBAND (MHz)		CROSSOVER ISOLATION (dB)		RETURN LOSS (dB)		
	Typ.	Max.	Typ.	Min.	Typ.	Min.	Low Pass Port Typ. Min.	High Pass Port Typ. Min.	Common Port Typ. Min.

DIPLEXER, 75 Ω

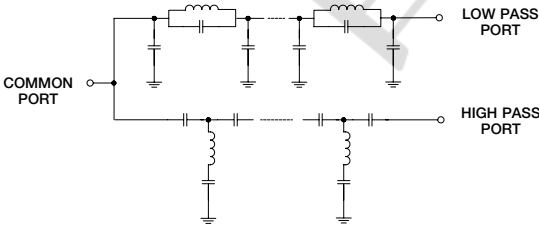
DPLX-4254-75	5-42 MHz 0.5 1.2	54-870 MHz 0.5 1.4	54-870 MHz 50 40	5-42 MHz 60 35	42-54 MHz 30 17	5-42 MHz 25 18	54-870 MHz 20 11	5-42 MHz 30 22	54-870 MHz 23 11
DPLX-4288-75	88-1000 MHz 0.5 1.0	88-1000 MHz 0.5 1.0	88-1000 MHz 60 38	60 50	42-88 MHz 60 45	25 17	88-1000 MHz 20 13	25 17	88-1000 MHz 20 13

MODEL PREFIX	INSERTION LOSS (dB)		ISOLATION (dB)		CROSSOVER ISOLATION (dB)	RETURN LOSS (dB)			
	PASSBAND (MHz)		STOPBAND (MHz)			Low Pass Port	Band Pass Port	Common Port	
	50-870 Typ. Max.	960-1550 Typ. Max.	960-1550 Typ. Min.	50-870 Typ. Min.		50-870 MHz Typ. Min.	960-1550 MHz Typ. Min.	50-870 MHz Typ. Min.	960-1550 MHz Typ. Min.

Band Pass Port

DPL-870-960-75	0.5 2.5	1.0 2.5	55 30	55 38	35 12	20 12	25 13	20 12	25 12
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FUNCTIONAL SCHEMATIC, DPLX MODELS



FUNCTIONAL SCHEMATIC, DPL MODEL

