

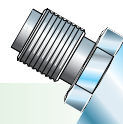
FILTERS, LOW PASS 50 Ω

DC to 7.2 GHz

SMA VLF, VLP
Case FF704SMA VLPX
Case FF1118

MODEL PREFIX	PASSBAND (MHz) (Loss <1 dB) Max.	fco, (MHz) NOMINAL (Loss 3 dB) Typ.	STOPBAND, (MHz) (loss, dB)			VSWR (:1)		POWER INPUT (W) Max.
			f20 Min.	40 Typ.	fr20 Typ.	STOPBAND Typ.	PASSBAND Typ.	
SMA								
VLF-80	DC-80	145	200	225-1550	4500	20	1.2	8.5
VLF-95	DC-95	165	230	225-1600	4500	20	1.2	8.5
VLF-105	DC-105	180	250	265-1650	4750	20	1.2	8.5
VLF-120	DC-120	195	280	300-1850	4750	20	1.2	8.5
VLF-160	DC-160	230	330	480-2700	6100	17	1.2	8.0
VLF-180	DC-180	270	370	525-2350	6400	17	1.2	8.0
VLF-190	DC-190	280	400	510-2850	6550	17	1.2	8.0
VLF-225	DC-225	350	460	510-2500	5500	20	1.2	8.5
VLF-320	DC-320	460	560	640-2500	5300	20	1.2	8.5
VLF-400	DC-400	560	660	680-3000	5500	20	1.2	8.5
VLF-490	DC-490	650	800	880-2500	6000	20	1.2	8.5
VLF-530	DC-530	700	820	945-3000	6000	20	1.2	8.5
VLF-575	DC-575	770	900	1050-3200	5500	20	1.2	8.5
VLF-630	DC-630	830	1000	1050-3500	6000	20	1.2	8.5
30 dB Typ.								
VLF-800	DC-800	1075	1275	1350-4850	5100	20	1.2	10
VLF-1000	DC-1000	1300	1550	1900-5000	5500	20	1.3	10
VLF-1200	DC-1200	1530	1865	2000-5000	6200	20	1.2	10
VLF-1400	DC-1400	1700	2015	2100-6600	6800	20	1.2	10
VLF-1450	DC-1450	1825	2025	2050-6600	6700	20	1.2	10
VLF-1500	DC-1500	1825	2100	2150-6600	6800	20	1.2	10
VLF-1525	DC-1525	1750	2040	2120-6600	6700	20	1.2	10
VLF-1575	DC-1575	1875	2175	2225-6800	7100	20	1.2	10
VLF-1700	DC-1700	2050	2375	2500-6500	7000	20	1.2	10
VLF-1800	DC-1800	2125	2425	2500-7200	8600	20	1.2	10
VLF-2250	DC-2250	2575	2900	3000-5000	7200	20	1.2	10
VLF-2500	DC-2500	3075	3675	3800-6100	8000	20	1.2	10
VLF-2600	DC-2600	3125	3750	3900-6600	8400	20	1.2	10
VLF-2750	DC-2750	3150	4000	4150-6800	8400	20	1.2	10
VLF-2850	DC-2800	3300	4000	4200-7400	9000	20	1.2	10
VLF-3000	DC-3000	3600	4550	4780-7500	10000	20	1.2	10
VLF-3400	DC-3400	3950	4300	4600-7800	8300	17	1.2	8
VLF-3800	DC-3900	4850	6000	5700-8300	13000	17	1.3	8
VLF-4400	DC-4400	5290	6700	6280-9800	13000	17	1.2	8
VLF-5000	DC-5000	5580	6850	7050-10000	18000	20	1.2	9
VLF-5500	DC-5500	6200	7200	6770-9500	12100	17	1.3	8
VLF-5850	DC-5850	6540	7600	7100-9900	12500	17	1.3	8
VLF-6000	DC-6000	6800	8500	8700-10500	18000	20	1.3	9
VLF-6400	DC-6400	7200	8300	7770-10200	12500	17	1.2	8
VLF-6700	DC-6700	7600	9300	9500-11000	18000	20	1.3	9
VLF-7200	DC-7200	8150	9500	8850-9800	12300	17	1.3	8
40 dB Typ.								
VLPX-80	DC-80	145	195	220-20000	—	10	1.2	10
VLPX-105	DC-105	165	250	400-20000	—	10	1.2	10
VLPX-225	DC-225	350	460	520-20000	—	10	1.15	10
VLPX-300	DC-300	450	580	650-20000	—	10	1.15	10
VLPX-400	DC-400	540	670	700-20000	—	10	1.15	10
VLPX-450	DC-450	640	800	900-20000	—	10	1.15	10
VLPX-470	DC-470	675	820	1000-20000	—	10	1.15	10
VLPX-500	DC-500	750	900	1100-20000	—	10	1.15	10
VLPX-540	DC-540	810	1000	1100-20000	—	10	1.2	10
VLPX-650	DC-650	1025	1275	1450-20000	—	10	1.2	10
VLPX-780	DC-780	950	1450	1600-20000	—	10	1.25	10
VLPX-825	DC-825	1275	1550	1850-20000	—	10	1.20	10
VLPX-950	DC-950	1400	1750	2250-20000	—	10	1.3	10
VLPX-1050	DC-1050	1675	1990	2100-20000	—	10	1.4	10
VLPX-1100	DC-1100	1750	2070	2300-20000	—	10	1.4	10
VLPX-1125	DC-1125	1825	2125	2300-20000	—	10	1.4	10
VLPX-1300	DC-1300	1925	2300	2500-20000	—	10	1.2	10
VLPX-1350	DC-1350	2050	2425	2600-20000	—	10	1.3	10
Loss <1 dB Max.								
VLP-11	DC-850	1078	1500	2000-3500	5500	20	1.2	16
VLP-16	DC-1350	1550	2100	2700-4000	7000	20	1.1	15
VLP-20	DC-1700	1980	2700	3300-3880	7200	20	1.1	14
VLP-24	DC-2000	2430	3400	4400	8000	20	1.2	10
VLP-41	DC-3300	4100	5500	5600	10000	20	1.2	10
VLP-54	DC-4000	5400	7100	—	9500	20	1.2	10
VLP-64	DC-5400	6410	9000	—	18000	20	1.1	19

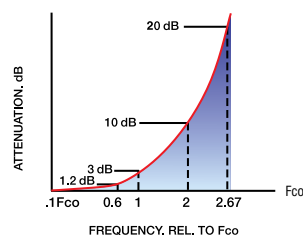
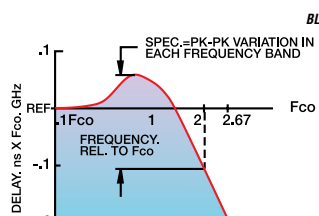
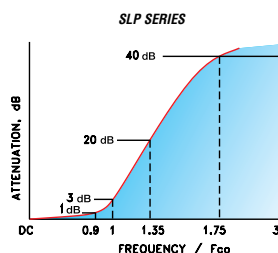




MODEL PREFIX	PASSBAND, (MHz) (Loss < 1 dB)	fco, (MHz) NOMINAL (Loss 3 dB)	STOPBAND, (MHz)		VSWR		POWER INPUT (W) Max.
			(Loss >20 dB)	(Loss >40 dB)	PASSBAND Typ.	STOPBAND Typ.	
SMA							
SLP-1.9	DC-1.9	2.5	3.4-4.7	4.7-200	1.7:1	18:1	0.5
SLP-2.5	DC-2.5	2.75	3.8-5.0	5.0-200	1.7:1	18:1	0.5
SLP-5	DC-5	6	8-10	10-200	1.7:1	18:1	0.5
SLP-10.7	DC-11	14	19-24	24-200	1.7:1	18:1	0.5
SLP-15	DC-15	17	23-32	32-200	1.7:1	18:1	0.5
SLP-21.4	DC-22	24.5	32-41	41-200	1.7:1	18:1	0.5
SLP-30	DC-32	35	47-61	61-200	1.7:1	18:1	0.5
SLP-50	DC-48	55	70-90	90-200	1.7:1	18:1	0.5
SLP-70	DC-60	67	90-117	117-300	1.7:1	18:1	0.5
SLP-90	DC-81	90	121-157	157-400	1.7:1	18:1	0.5
SLP-100	DC-98	108	146-189	189-400	1.7:1	18:1	0.5
SLP-150	DC-140	155	210-300	300-600	1.7:1	18:1	0.5
SLP-200	DC-190	210	290-390	390-800	1.7:1	18:1	0.5
SLP-250	DC-225	250	320-400	400-1200	1.7:1	18:1	0.5
SLP-300	DC-270	297	410-550	550-1200	1.7:1	18:1	0.5
SLP-450	DC-400	440	580-750	750-1800	1.7:1	18:1	0.5
SLP-550	DC-520	570	750-920	920-2000	1.7:1	18:1	0.5
SLP-600	DC-580	640	840-1120	1120-2000	1.7:1	18:1	0.5
SLP-750	DC-700	770	1000-1300	1300-2000	1.7:1	18:1	0.5
SLP-800	DC-720	800	1080-1400	1400-2000	1.7:1	18:1	0.5
SLP-850	DC-780	850	1100-1400	1400-2000	1.7:1	18:1	0.5
SLP-1000	DC-900	990	1340-1750	1750-2000	1.7:1	18:1	0.5
SLP-1200	DC-1000	1200	1620-2100	2100-2500	1.7:1	18:1	0.5
SLP-1650	DC-1400	1650	2300-2900	2900-6000	1.3:1	18:1	0.5
SLP-2400	DC-2200	2400	3150-4000	4000-6000	1.3:1	18:1	0.5
SLP-2950	DC-2700	2950	3700-4500	4500-6000	1.3:1	18:1	0.5

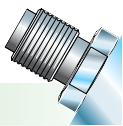
MODEL PREFIX	PASSBAND (MHz) (Loss <1.2 dB) Min.	fco, (MHz) NOMINAL (Loss 3 dB)	STOP BAND, (MHz)		VSWR		GROUP DELAY VARIATION, ns			RF POWER INPUT (W) Max.
			Loss > 10 dB	Loss > 20 dB	DC-0.2fco $\bar{X}$	DC-0.6fco $\bar{X}$	DC-fco $\bar{X}$	DC-2fco $\bar{X}$	DC-2.67fco $\bar{X}$	
SMA Flat Time Delay										
SBLP-39	DC-23	39	78-117	117	1.3:1	2.3:1	0.70	4.00	5.00	0.5
SBLP-117	DC-65	117	234-312	312	1.3:1	2.4:1	0.35	1.40	1.90	0.5
SBLP-156	DC-94	156	312-416	416	1.3:1	1.1:1	0.30	1.10	1.50	0.5
SBLP-200	DC-120	200	400-534	534	1.6:1	1.9:1	0.40	1.30	1.60	0.5
SBLP-300	DC-180	300	600-801	801	1.25:1	2.2:1	0.20	0.60	0.80	0.5
SBLP-467	DC-280	467	934-1246	1246	1.25:1	2.2:1	0.15	0.40	0.55	0.5
SBLP-933	DC-560	933	1866-2490	2490	1.3:1	2.2:1	0.09	0.20	0.28	0.5
SBLP-1870	DC-850	1870	3740-5000	5000	1.45:1	2.9:1	0.05	0.10	0.15	0.5

TYPICAL FREQUENCY RESPONSE



Additional Low Pass Filters, see page 42.



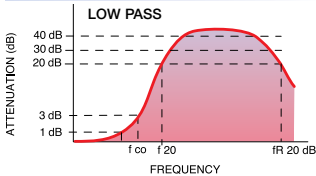


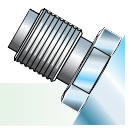
FILTERS, LOW PASS
DC to 7.2 GHz



MODEL PREFIX	PASSBAND, (MHz)	fco, (MHz) NOMINAL	STOPBAND, (MHz)		VSWR (:1)		POWER INPUT (W) Max.
			(Loss > 20 dB)	(Loss > 40 dB)	PASSBAND Typ.	STOPBAND Typ.	
BNC 50 Ω							
BLP-1.9	DC-1.9	2.5	3.4-4.7	4.7-200	1.7	18	0.5
BLP-2.5	DC-2.5	2.75	3.8-5.0	5.0-200	1.7	18	0.5
BLP-5	DC-5	6	8-10	10-200	1.7	18	0.5
BLP-10.7	DC-11	14	19-24	24-200	1.7	18	0.5
BLP-15	DC-15	17	23-32	32-200	1.7	18	0.5
BLP-21.4	DC-22	24.5	32-41	41-200	1.7	18	0.5
BLP-30	DC-32	35	47-61	61-200	1.7	18	0.5
BLP-50	DC-48	55	70-90	90-200	1.7	18	0.5
BLP-70	DC-60	67	90-117	117-300	1.7	18	0.5
BLP-90	DC-81	90	121-157	157-400	1.7	18	0.5
BLP-100	DC-98	108	146-189	189-400	1.7	18	0.5
BLP-150	DC-140	155	210-300	300-600	1.7	18	0.5
BLP-200	DC-190	210	290-390	390-800	1.7	18	0.5
BLP-250	DC-225	250	320-400	400-1200	1.7	18	0.5
BLP-300	DC-270	297	410-550	550-1200	1.7	18	0.5
BLP-450	DC-400	440	580-750	750-1800	1.7	18	0.5
BLP-550	DC-520	570	750-920	920-2000	1.7	18	0.5
BLP-600	DC-580	640	840-1120	1120-2000	1.7	18	0.5
BLP-750	DC-700	770	1000-1300	1300-2000	1.7	18	0.5
BLP-800	DC-720	800	1080-1400	1400-2000	1.7	18	0.5
BLP-850	DC-780	850	1100-1400	1400-2000	1.7	18	0.5
BLP-1000	DC-900	990	1340-1750	1750-2000	1.7	18	0.5
BLP-1200	DC-1000	1200	1620-2100	2100-2500	1.7	18	0.5
BNC 75 Ω							
BLP-7-75	DC-7	8	11-15	15-200	1.7	18	0.5
BLP-10.7-75	DC-11	14	19-24	24-200	1.7	18	0.5
BLP-15-75	DC-15	17	23-32	32-200	1.7	18	0.5
BLP-21.4-75	DC-22	24.5	32-41	41-200	1.7	18	0.5
BLP-30-75	DC-32	35	47-61	61-200	1.7	18	0.5
BLP-50-75	DC-48	55	70-90	90-200	1.7	18	0.5
BLP-70-75	DC-60	67	90-117	117-300	1.7	18	0.5
BLP-100-75	DC-98	108	146-189	189-400	1.7	18	0.5
BLP-600-75	DC-580	640	840-1120	1120-2000	1.7	18	0.5
BLP-850-75	DC-750	850	1150-1490	1490-2000	1.7	18	0.5
TYPE-N 50 Ω							
NLP-1.9	DC-1.9	2.5	3.4-4.7	4.7-200	1.7	18	0.5
NLP-2.5	DC-2.5	2.75	3.8-5.0	5.0-200	1.7	18	0.5
NLP-5	DC-5	6	8-10	10-200	1.7	18	0.5
NLP-10.7	DC-11	14	19-24	24-200	1.7	18	0.5
NLP-15	DC-15	17	23-32	32-200	1.7	18	0.5
NLP-21.4	DC-22	24.5	32-41	41-200	1.7	18	0.5
NLP-30	DC-32	35	47-61	61-200	1.7	18	0.5
NLP-50	DC-48	55	70-90	90-200	1.7	18	0.5
NLP-70	DC-60	67	90-117	117-300	1.7	18	0.5
NLP-90	DC-81	90	121-157	157-400	1.7	18	0.5
NLP-100	DC-98	108	146-189	189-400	1.7	18	0.5
NLP-150	DC-140	155	210-300	300-600	1.7	18	0.5
NLP-200	DC-190	210	290-390	390-800	1.7	18	0.5
NLP-250	DC-225	250	320-400	400-1200	1.7	18	0.5
NLP-300	DC-270	297	410-550	550-1200	1.7	18	0.5
NLP-450	DC-400	440	580-750	750-1800	1.7	18	0.5
NLP-550	DC-520	570	750-920	920-2000	1.7	18	0.5
NLP-600	DC-580	640	840-1120	1120-2000	1.7	18	0.5
NLP-750	DC-700	770	1000-1300	1300-2000	1.7	18	0.5
NLP-800	DC-720	800	1080-1400	1400-2000	1.7	18	0.5
NLP-850	DC-780	850	1100-1400	1400-2000	1.7	18	0.5
NLP-1000	DC-900	990	1340-1750	1750-2000	1.7	18	0.5
NLP-1200	DC-1000	1200	1620-2100	2100-2500	1.7	18	0.5
NLP-1750	DC-1500	1750	2400-3000	3000-6000	1.3	18	0.5
NLP-2400	DC-2200	2400	3150-4000	4000-6000	1.3	18	0.5
NLP-2950	DC-2700	2950	3700-4500	4500-6000	1.3	18	0.5

TYPICAL FREQUENCY RESPONSE





FILTERS, BANDPASS 9 MHz to 7 GHz



SMA Case FF99
SBP, SIF



SMA Case FF704
VBF



BNC Case FF55
BBP



Type-N Case FF57
NBP



SMA Case FF1145
VBFZ



SMA ZFB Case H16
BNC ZFBP



SMA Case HY1238, HY1239
ZX75

MODEL PREFIX	CENTER FREQUENCY MHz	PASSBAND (MHz) (Loss < 1 dB)	STOP BANDS		VSWR 1.3:1, TYP. TOTAL BAND (MHz)	RF POWER INPUT (W) Max.
			(Loss > 10 dB) at MHz	(Loss > 20 dB) at MHz		

BANDPASS Constant Impedance 50 Ω

SIF-21.4	21.4	18-25	4.9 & 85	1.3 & 150	DC-220	0.5
SIF-30	30	25-35	7 & 120	1.9 & 210	DC-330	0.5
SIF-40	42	35-49	10 & 168	2.6 & 300	DC-400	0.5
SIF-50	50	41-58	11.5 & 200	3.1 & 350	DC-440	0.5
SIF-60	60	50-70	14 & 240	3.8 & 400	DC-500	0.5
SIF-70	70	58-82	16 & 280	4.4 & 490	DC-550	0.5

MODEL PREFIX	CENTER FREQUENCY MHz	PASSBAND Loss < 1.5 dB MHz	3 dB BANDWIDTH TYPICAL MHz	STOP BANDS		VSWR (:1)		RF POWER INPUT (W) Max.
				#1 (Loss > 20 dB) at MHz	#2 (Loss > 35 dB) at MHz	PASSBAND Max.	STOP BAND Typ.	

BANDPASS Elliptic Response 50 Ω

BBP-10.7	10.7	9.5-11.5	8.9-12.7	7.5 & 15	0.6 & 50-1000	1.7	16	0.5
BBP-21.4	21.4	19.2-23.6	17.9-25.3	15.5 & 29	3.0 & 80-1000	1.7	16	0.5
BBP-30	30	27.0-33.0	25-35	22 & 40	3.2 & 99-1000	1.7	16	0.5
BBP-60	60	55.0-67.0	49.8-70.5	44 & 79	4.6 & 190-1000	1.7	16	0.5
BBP-70	70	63.0-77.0	58.0-82.0	51 & 94	6.0 & 193-1000	1.7	16	0.5
NBP-10.7	10.7	9.5-11.5	8.9-12.7	7.5 & 15	0.6 & 50-1000	1.7	16	0.5
NBP-70	70	63.0-77.0	58.0-82.0	51 & 94	6.0 & 193-1000	1.7	16	0.5
SBP-10.7	10.7	9.5-11.5	8.9-12.7	7.5 & 15	0.6 & 50-1000	1.7	16	0.5
SBP-21.4	21.4	19.2-23.6	17.9-25.3	15.5 & 29	3.0 & 80-1000	1.7	16	0.5
SBP-30	30	27.0-33.0	25-35	22 & 40	3.2 & 99-1000	1.7	16	0.5
SBP-60	60	55.0-67.0	49.8-70.5	44 & 79	4.6 & 190-1000	1.7	16	0.5
SBP-70	70	63.0-77.0	58.0-82.0	51 & 94	6.0 & 193-1000	1.7	16	0.5

MODEL PREFIX	CENTER FREQUENCY MHz	PASSBAND (MHz) F1 - F2	LOSS (dB)	STOP BANDS				VSWR (:1)		RF POWER INPUT (W) Max.
				#1 (Loss > 20 dB) @ MHz F3 F4	#2 (Loss > 30 dB) @ MHz F5 F6			PASSBAND Typ.	STOP BAND Typ.	

BANDPASS SMA 50 Ω

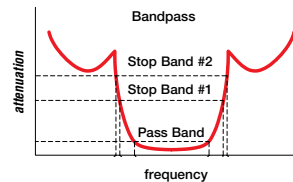
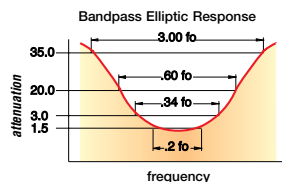
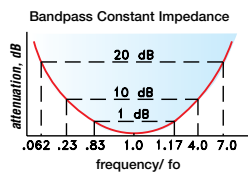
ZFBP-70	70	69-71	7.0	66	75	64	78-1000	1.35	18	0.5
VBFZ-780	780	710-850	2.5	460	1300	440	1320-16000	1.6	20	7.0
VBFZ-925	925	800-1050	2.4	530	1550	500	1620-18000	1.6	20	7.0
VBFZ-1065	1065	980-1150	2.3	630	1800	600	1800-16000	1.4	20	7.0
VBFZ-1400	1400	1350-1450	2.6	890	1965	870	1965-6600	1.6	20	7.0
VBF-1560	1560	1560-1620	5.0	1100	2100	1040	2105-4200	1.7	20	1.5
VBFZ-1690	1690	1455-1925	2.3	930	2600	860	2600-9000	1.5	20	7.0
VBFZ-2000	2000	1730-2270	2.3	1210	2960	1200	2960-16000	1.6	20	7.0
VBFZ-2130	2130	2000-2260	2.6	1420	2950	1400	2950-18000	1.6	20	7.0
VBFZ-2340	2340	2020-2660	2.2	1450	3750	1400	3800-8500	1.5	20	7.0
VBF-2555	2555	2500-2610	7.0	1970	3200	2000	3250-5500	1.6	20	1.5
VBFZ-2575	2575	2350-2800	2.2	1390	3850	1275	3900-9000	1.9	20	7.0
VBF-2900	2900	2700-3100	3.0	1850	4200	1800	4900-7000	2.3	20	1.5
VBFZ-3590	3590	3000-4300	2.0	2250	5950	2200	5950-14000	1.3	20	7.0
VBFZ-4000	4000	3500-4500	1.8	2550	5700	2750	5720-16000	1.6	20	7.0
VBF-4440	4440	4200-4700	2.0	2000	6750	2000	6650-12000	1.6	20	1.5
VBFZ-5500	5500	4900-6200	2.0	3600	8600	3500	8600-17000	1.3	20	7.0
VBFZ-6260	6260	5600-7000	2.0	4200	9300	4100	9300-18000	1.4	20	7.0
ZX75-12	12	9-15	3.5	7.5	18	7	20-3000	1.5	30	0.25
ZX75-12M	12	9-15	3.5	7.5	18	7	20-3000	1.5	30	0.25

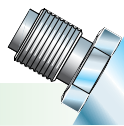
BANDPASS BNC 75 Ω

(Loss > 40 dB)

ZFBP-13-75	13	12.3-13.8	4.0	10.6	16	10	17.5-300	1.4	18	0.5
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TYPICAL FREQUENCY RESPONSE





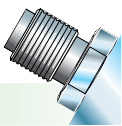
FILTERS, HIGH PASS 50 Ω

27.5 MHz to 13 GHz



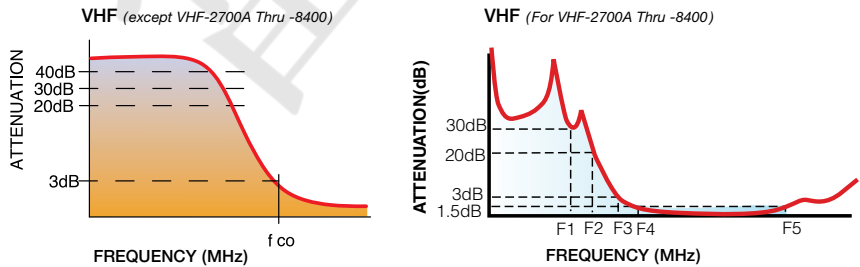
MODEL PREFIX	STOPBAND, (MHz)		fco, (MHz) NOMINAL	PASSBAND, (MHz)	VSWR (:1)		RF POWER (W)
	(Loss > 40 dB)	(Loss > 20 dB)			STOPBAND Typ.	PASSBAND Typ.	
BNC							
BHP-25	DC-13	13-19	25	27.5-800	18	1.7	0.5
BHP-50	DC-20	20- 26	37	41-800	17	1.5	0.5
BHP-100	DC-40	40- 55	82	90-2000	17	1.5	0.5
BHP-150	DC-70	70- 95	120	133-1000	17	1.8	0.5
BHP-175	DC-70	70-105	140	160-1200	17	1.5	0.5
BHP-200	DC-90	90-116	164	185-3000	17	1.6	0.5
BHP-250	DC-100	100-150	205	225-3000	17	1.3	0.5
BHP-300	DC-145	145-190	245	290-3000	17	1.7	0.5
BHP-400	DC-210	210-290	360	395-3200	17	1.7	0.5
BHP-500	DC-280	280-365	454	500-3200	17	1.9	0.5
BHP-600	DC-350	350-440	545	600-3000	17	2.0	0.5
BHP-700	DC-400	400-520	640	700-3000	17	1.6	0.5
BHP-800	DC-445	445-570	710	780-3000	17	2.1	0.5
BHP-900	DC-520	520-660	820	910-3000	17	1.8	0.5
BHP-1000	DC-550	550-720	900	1000-3000	17	1.9	0.5
TYPE-N							
NHP-25	DC-13	13- 19	25	27.5-800	18	1.7	0.5
NHP-50	DC-20	20- 26	37	41-800	17	1.5	0.5
NHP-100	DC-40	40- 55	82	90-2000	17	1.5	0.5
NHP-150	DC-70	70- 95	120	133-1000	17	1.8	0.5
NHP-175	DC-70	70-105	140	160-1200	17	1.5	0.5
NHP-200	DC-90	90-116	164	185-3000	17	1.6	0.5
NHP-250	DC-100	100-150	205	225-3000	17	1.3	0.5
NHP-300	DC-145	145-190	245	290-3000	17	1.7	0.5
NHP-400	DC-210	210-290	360	395-3200	17	1.7	0.5
NHP-500	DC-280	280-365	454	500-3200	17	1.9	0.5
NHP-600	DC-350	350-440	545	600-3000	17	2.0	0.5
NHP-700	DC-400	400-520	640	700-3000	17	1.6	0.5
NHP-800	DC-445	445-570	710	780-3000	17	2.1	0.5
NHP-900	DC-520	520-660	820	910-3000	17	1.8	0.5
NHP-1000	DC-550	550-720	900	1000-3000	17	1.9	0.5
SMA							
SHP-25	DC-13	13- 19	25	27.5-800	18	1.7	0.5
SHP-50	DC-20	20- 26	37	41-800	17	1.5	0.5
SHP-100	DC-40	40- 55	82	90-2000	17	1.5	0.5
SHP-100A	DC-77	77-82	92	110-3000	13	1.6	0.1
SHP-150	DC-70	70- 95	120	133-1000	17	1.8	0.5
SHP-175	DC-70	70-105	140	160-1200	17	1.5	0.5
SHP-200	DC-90	90-116	164	185-3000	17	1.6	0.5
SHP-250	DC-100	100-150	205	225-3000	17	1.3	0.5
SHP-300	DC-145	145-190	245	290-3000	17	1.7	0.5
SHP-400	DC-210	210-290	360	395-3200	17	1.7	0.5
SHP-500	DC-280	280-365	454	500-3200	17	1.9	0.5
SHP-600	DC-350	350-440	545	600-3000	17	2.0	0.5
SHP-700	DC-400	400-520	640	700-3000	17	1.6	0.5
SHP-800	DC-445	445-570	710	780-3000	17	2.1	0.5
SHP-900	DC-520	520-660	820	910-3000	17	1.8	0.5
SHP-1000	DC-550	550-720	900	1000-3000	17	1.9	0.5
ZFHP-2100	DC-900	1925	2100	2500-6800	20	1.3	0.5

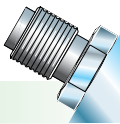




MODEL PREFIX	STOP BAND, (MHz)		fco, (MHz) NOMINAL (Loss 3 dB) Typ.	PASSBAND, (MHz)		VSWR (:1)		POWER INPUT (W) Max.
	(Loss > 40 dB)	(Loss > 20 dB)		(Loss <1.3 dB) Max.	(Loss <2 dB) Typ.	Stopband Typ.	Passband Typ.	
SMA MINIATURE PACKAGE								
VHP-9R5	DC-600	750	950	1300-3500	—	18	1.5	14
VHP-16	DC-1030	1300	1580	1900-2700	—	18	1.5	14
VHP-19	DC-1450	1650	1995	2300-5500	—	18	1.5	10
VHP-26	DC-1500	2000	2570	3000-7000	—	18	1.4	10
VHP-39	DC-2000	3050	3900	4600-5500	—	18	1.5	10
VHF-440	230	350	440	600-1700	500-2500	20	1.5	7
VHF-650	390	480	650	850-2000	710-2490	20	1.5	7
VHF-740	430	550	740	900-2200	780-2800	20	1.5	7
VHF-880	500	640	880	1060-2500	950-3200	20	1.5	7
VHF-1200	750	910	1180	1380-4000	1220-4600	20	1.5	7
VHF-1300	680	930	1300	1510-4000	1400-5000	20	1.5	7
VHF-1320	880	1060	1320	1700-3800	1400-5000	20	1.5	7
VHF-1500	1090-1060	1250	1550	1850-4400	1600-5500	20	1.5	7
VHF-1600	1090	1290	1600	1950-4000	1650-5000	20	1.5	7
VHF-1760	950	1230	1760	2100-5200	1900-5500	20	1.5	7
VHF-1810	1100	1480	1810	2250-4000	1900-4750	20	1.5	7
VHF-1910	1075	1400	1910	2200-4400	2000-5200	20	1.5	7
VHF-2000	1300	1530	2000	2410-5550	2260-6250	20	1.5	7
VHF-2100	1050	1530	2100	2500-5000	2200-6000	20	1.5	7
VHF-2275	1400	1770	2275	2640-6230	2450-7000	20	1.5	7
VHF-2700	1500	1800	2500	3000-5700	2650-6500	20	1.5	7
VHF-2700A	Loss >30 dB Typ.	2150	2700	Loss <1.5 dB Max.	Loss <2 dB Max.	20	1.5	7
VHF-3100	2270	2450	3100	3070-8500	2900-8700	20	1.5	7
VHF-3500	2900	2800	3500	3500-9500	3400-9900	20	1.5	7
VHF-3800	3100	3200	3800	4000-8800	3900-9800	20	1.5	7
VHF-4400	3600	3500	4400	4500-9000	4250-10000	20	1.5	7
VHF-4600	3600	3500	4400	5000-9900	5000-10100	20	1.5	6
VHF-4600	3700	3800	4600	5200-10500	5000-11000	20	1.5	7
VHF-5500	4000	4500	5500	6600-11000	6000-11500	20	1.5	7
VHF-5050	3600	4200	5050	5650-9700	5500-10000	20	1.5	7
VHF-6010	5190	5200	6010	6350-13000	6300-15000	20	1.5	7
VHF-7150	5100	6150	7150	8500-10500	7900-11000	20	1.5	6
VHF-8400	5700	6000	8400	Loss <2.5 dB Max. 9500-13000	Loss <3 dB Max. 9000-13000	20	1.5	7

TYPICAL FREQUENCY RESPONSE



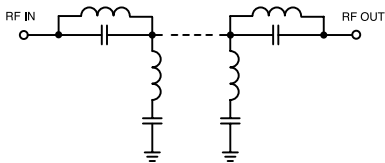


FILTERS, BAND STOP 50 Ω
88 MHz to 108 MHz



MODEL PREFIX	STOP BAND, (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	Stopband Typ.	Passband Typ.
NSBP-108	88-108	89-105	81 & 120	65	140-1000	3.4	1.3

FUNCTIONAL SCHEMATIC



TYPICAL FREQUENCY RESPONSE

