

FILTERS (Hermetic)

DC to 2.2 GHz

PLP, PBLP
Case A01



MODEL PREFIX	PASSBAND, (MHz) (Loss < 1 dB)	fco, (MHz) NOMINAL (Loss 3 dB)	STOPBAND, (MHz)		VSWR (:1)		RF POWER Max. (W)
			(Loss > 20 dB)	(Loss > 40 dB)	PASSBAND Typ.	STOPBAND Typ.	

LOW PASS 50 Ω

PLP-1.9	DC-1.9	2.5	3.4-4.7	4.7-200	1.7	18	0.5
PLP-2.5	DC-2.5	2.75	3.8-5.0	5.0-200	1.7	18	0.5
PLP-5	DC-5	6	8-10	10-200	1.7	18	0.5
PLP-10.7	DC-11	14	19-24	24-200	1.7	18	0.5
PLP-15	DC-15	17	23-32	32-200	1.7	18	0.5
PLP-21.4	DC-22	24.5	32-41	41-200	1.7	18	0.5
PLP-30	DC-32	35	47-61	61-200	1.7	18	0.5
PLP-50	DC-48	55	70-90	90-200	1.7	18	0.5
PLP-70	DC-60	67	90-117	117-300	1.7	18	0.5
PLP-90	DC-81	90	121-157	157-400	1.7	18	0.5
PLP-100	DC-98	108	146-189	189-400	1.7	18	0.5
PLP-150	DC-140	155	210-300	300-600	1.7	18	0.5
PLP-200	DC-190	210	290-390	390-800	1.7	18	0.5
PLP-250	DC-225	250	320-400	400-1200	1.7	18	0.5
PLP-300	DC-270	297	410-550	550-1200	1.7	18	0.5
PLP-450	DC-400	440	580-750	750-1800	1.7	18	0.5
PLP-550	DC-520	570	750-920	920-2000	1.7	18	0.5
PLP-600	DC-580	640	840-1120	1120-2000	1.7	18	0.5
PLP-750	DC-700	770	1000-1300	1300-2000	1.7	18	0.5
PLP-800	DC-720	800	1080-1400	1400-2000	1.7	18	0.5
PLP-850	DC-780	850	1100-1400	1400-2000	1.7	18	0.5
PLP-1000	DC-900	990	1340-1750	1750-2000	1.7	18	0.5
PLP-1200	DC-1000	1200	1620-2100	2100-2500	1.7	18	0.5

LOW PASS 75 Ω

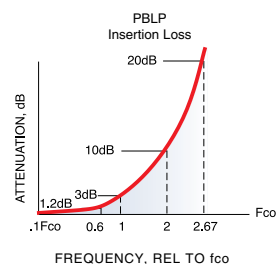
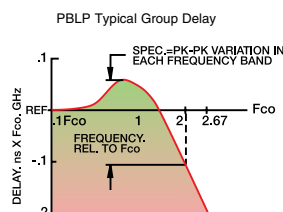
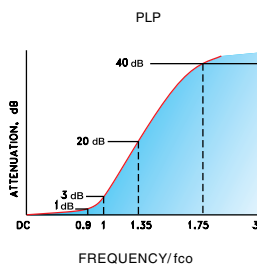
PLP-7-75	DC-7	8	11-15	15-200	1.7	18	0.5
PLP-10.7-75	DC-11	14	19-24	24-200	1.7	18	0.5
PLP-15-75	DC-15	17	23-32	32-200	1.7	18	0.5
PLP-21.4-75	DC-22	24.5	32-41	41-200	1.7	18	0.5
PLP-30-75	DC-32	35	47-61	61-200	1.7	18	0.5
PLP-50-75	DC-48	55	70-90	90-200	1.7	18	0.5
PLP-70-75	DC-60	67	90-117	117-300	1.7	18	0.5
PLP-100-75	DC-98	108	146-189	189-400	1.7	18	0.5
PLP-600-75	DC-580	640	840-1120	1120-2000	1.7	18	0.5
PLP-850-75	DC-750	850	1150-1490	1490-2000	1.7	18	0.5

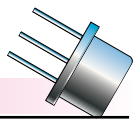
MODEL PREFIX	PASSBAND (MHz) (Loss < 1.2 dB) Min.	fco, (MHz) NOMINAL (Loss 3 dB)	STOP BAND, (MHz)		VSWR (:1)		GROUP DELAY VARIATION (nsec)			RF POWER Max. (W)
			Loss > 10 dB	Loss > 20 dB	DC-0.2 fco X̄	DC-0.6 fco X̄	DC-fco X̄	DC-2 fco X̄	DC-2.67 fco X̄	

LOW PASS, Flat Time Delay 50 Ω

PBLP-39	DC-23	39	78-117	117	1.3	2.3	0.70	4.0	5.00	0.5
PBLP-117	DC-65	117	234-312	312	1.3	2.4	0.35	1.4	1.90	0.5
PBLP-156	DC-94	156	312-416	416	1.3	1.1	0.30	1.1	1.50	0.5
PBLP-200	DC-120	200	400-534	534	1.6	1.9	0.40	1.3	1.60	0.5
PBLP-300	DC-180	300	600-801	801	1.25	2.2	0.20	0.6	0.80	0.5
PBLP-467	DC-280	467	934-1246	1246	1.25	2.2	0.15	0.4	0.55	0.5

TYPICAL FREQUENCY RESPONSE





PIF, PBP, PHP
Case A01

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

BANDPASS Constant Impedance 50 Ω

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

MODEL PREFIX	CENTER FREQUENCY MHz	PASSBAND I.L. 1.5 dB Max. MHz F1 F2	3 dB BANDWIDTH TYPICAL MHz	STOP BANDS		VSWR (:1)		RF POWER Max. (W)
				(I. Loss > 20 dB) at MHz F3 F4	(I. Loss > 35 dB) at MHz F5 F6	Passband Max.	Stop Band Typ.	

BANDPASS Elliptic Response 50 Ω

PBP-10.7	10.7	9.5-11.5	8.9-12.7	7.5 & 15	0.6 & 50-1000	1.7	16	0.5
PBP-21.4	21.4	19.2-23.6	17.9-25.3	15.5 & 29	3.0 & 80-1000	1.7	16	0.5
PBP-30	30	27.0-33.0	25-35	22 & 40	3.2 & 99-1000	1.7	16	0.5
PBP-35N	35	30-40	—	21 & 58	19 & 66-1000	1.5	18	0.5
PBP-35W	35	25-45	—	16 & 70	4 & 80-1000	1.5	18	0.5
PBP-60	60	55.0-67.0	49.8-70.5	44 & 79	4.6 & 190-1000	1.7	16	0.5
PBP-70	70	63.0-77.0	58.0-82.0	51 & 94	6.0 & 193-1000	1.7	16	0.5

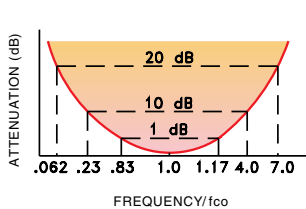
MODEL PREFIX	STOPBAND, (MHz)		fco, (MHz) NOMINAL (Loss 3 dB)	PASSBAND, (MHz) (Loss <1 dB)	VSWR (:1)		RF POWER Max. (W)
	(Loss > 40 dB)	(Loss > 20 dB)			Stopband Typ.	Passband Typ.	

HIGH PASS 50 Ω

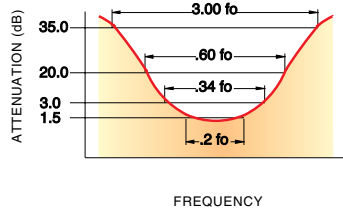
PHP-25	DC-13	13-19	25	27.5-200	18	1.7	0.5
PHP-50	DC-20	20-26	37	41-200	17	1.5	0.5
PHP-100	DC-40	40-55	82	90-400	17	1.5	0.5
PHP-150	DC-70	70-95	120	133-600	17	1.8	0.5
PHP-175	DC-70	70-105	140	160-800	17	1.5	0.5
PHP-200	DC-90	90-116	164	185-800	17	1.6	0.5
PHP-250	DC-100	100-150	205	225-1200	17	1.3	0.5
PHP-300	DC-145	145-190	245	290-1200	17	1.7	0.5
PHP-400	DC-210	210-290	360	395-1600	17	1.7	0.5
PHP-500	DC-280	280-365	454	500-1600	17	1.9	0.5
PHP-600	DC-350	350-440	545	600-1600	17	2.0	0.5
PHP-700	DC-400	400-520	640	700-1800	17	1.6	0.5
PHP-800	DC-445	445-570	710	780-2000	17	2.1	0.5
PHP-900	DC-520	520-660	820	910-2100	17	1.8	0.5
PHP-1000	DC-550	550-720	900	1000-2200	17	1.9	0.5

TYPICAL FREQUENCY RESPONSE

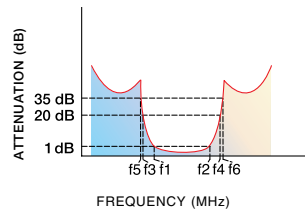
PIF Bandpass, Constant Impedance



PBP Bandpass, Elliptical
(Except PBP-35N, PBP-35W)



PBP Bandpass, Elliptical
PBP-35N, PBP-35W



PHP High Pass

