

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

LOW PASS 75 Ω

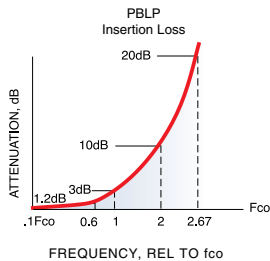
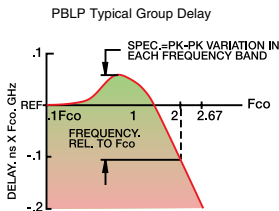
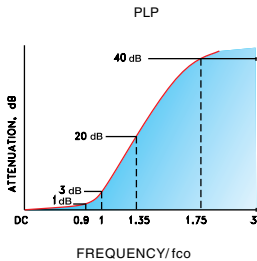
PLP-7-75 PLP-10.7-75 PLP-15-75 PLP-21.4-75 PLP-30-75	DC-7 DC-11 DC-15 DC-22 DC-32	8 14 17 24.5 35	11-15 19-24 23-32 32-41 47-61	15-200 24-200 32-200 41-200 61-200	1.7 1.7 1.7 1.7 1.7	18 18 18 18 18	0.5 0.5 0.5 0.5 0.5
PLP-50-75 PLP-70-75 PLP-100-75 PLP-600-75 PLP-850-75	DC-48 DC-60 DC-98 DC-580 DC-750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

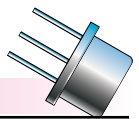
MODEL PREFIX	PASSBAND (MHz) (Loss < 1.2 dB) Min.	fco, (MHz) NOMINAL (Loss 3 dB)	STOP BAND, (MHz)		VSWR (:1)		GROUP DELAY VARIATION (nsec)			RF POWER Max. (W)
			Loss > 10 dB	Loss > 20 dB	DC-0.2 fco X̄	DC-0.6 fco X̄	DC-fco X̄	DC-2 fco X̄	DC-2.67 fco X̄	

LOW PASS, Flat Time Delay 50 Ω

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

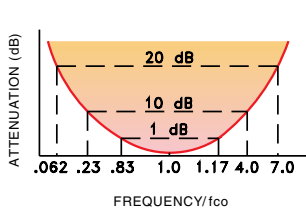
MODEL PREFIX	STOPBAND, (MHz)		fco, (MHz) NOMINAL (Loss 3 dB)	PASSBAND, (MHz) (Loss <1 dB)	VSWR (:1)		RF POWER Max. (W)
	(Loss > 40 dB)	(Loss > 20 dB)			Stopband Typ.	Passband Typ.	

HIGH PASS 50 Ω

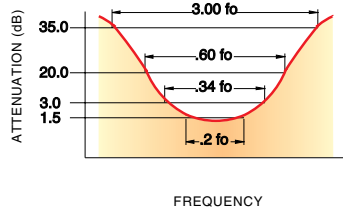
PHP-25	DC-13	13-19	25	27.5-200	18	1.7	0.5
PHP-50	DC-20	20-26	37	41-200	17	1.5	0.5
PHP-100	DC-40	40-55	82	90-400	17	1.5	0.5
PHP-150	DC-70	70-95	120	133-600	17	1.8	0.5
PHP-175	DC-70	70-105	140	160-800	17	1.5	0.5
PHP-200	DC-90	90-116	164	185-800	17	1.6	0.5
PHP-250	DC-100	100-150	205	225-1200	17	1.3	0.5
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

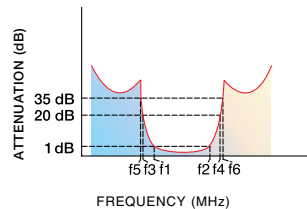
PIF Bandpass, Constant Impedance



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



PBP Bandpass, Elliptic
PBP-35N, PBP-35W



PHP High Pass

