

Miniature High-Current Chokes

- 37 standard inductance values (38 in PS1 Series)
- Packaged in heat shrinkable, flame retardant tubing with high resistivity ferrite coil form.
- Ambient temperature range: -55°C - 125°C

PS1 Series

Part Number	Inductance	DC Resistance	Q Factor	Current Rating	Power Rating
PS1-102K	10 µh	.038	35	1900	2600
PS1-122K	12 µh	.043	21	1700	2400
PS1-152K	15 µh	.049	14	1500	2300
PS1-182K	18 µh	.054	10	1400	2200
PS1-222K	22 µh	.059	8.0	1300	2100
PS1-272K	27 µh	.070	6.5	1100	1900
PS1-332K	33 µh	.077	6.1	1000	1800
PS1-392K	39 µh	.084	5.7	940	1700
PS1-472K	47 µh	.093	5.1	870	1600
PS1-562K	56 µh	.120	4.3	790	1500
PS1-682K	68 µh	.136	3.6	710	1400
PS1-822K	82 µh	.160	3.2	650	1300
PS1-103K	100 µh	.240	3.0	590	1000
PS1-123K	120 µh	.320	2.7	540	880
PS1-153K	150 µh	.430	2.1	490	760
PS1-183K	180 µh	.480	1.7	440	720
PS1-223K	220 µh	.550	1.6	400	670
PS1-273K	270 µh	.620	1.5	360	640
PS1-333K	330 µh	.720	1.4	320	590
PS1-393K	390 µh	.790	1.3	300	560
PS1-473K	470 µh	.880	1.2	270	530
PS1-563K	560 µh	1.2	1.1	250	480
PS1-683K	680 µh	1.5	1.0	230	410
PS1-823K	820 µh	1.7	.960	210	380
PS1-104K	1.0 mh	1.9	.880	190	360
PS1-124K	1.2 mh	2.4	.780	170	320
PS1-154K	1.5 mh	2.8	.640	150	300
PS1-184K	1.8 mh	3.1	.600	140	290
PS1-224K	2.2 mh	4.5	.540	120	240
PS1-274K	2.7 mh	5.8	.440	110	210
PS1-334K	3.3 mh	8.1	.430	100	180
PS1-394K	3.9 mh	8.9	.400	95	170
PS1-474K	4.7 mh	10	.380	86	160
PS1-564K	5.6 mh	11	.350	79	150
PS1-684K	6.8 mh	15	.29	72	130
PS1-824K	8.2 mh	17	.26	65	120
PS1-105K	10 mh	22	.24	59	110
PS1-106K	100 mh	270	.074	19	30

* Current rating (Rated MADC) is based on 0.25 watt power dissipation for approximately 20°C temperature rise.

† Saturation current lowers inductance 5%.

PS3 Series

Part Number	Inductance	DC Resistance	Q Factor	Current Rating	Power Rating
PS3-102K	10 µh	.023	45	3200	4600
PS3-122K	12 µh	.025	40	2900	4500
PS3-152K	15 µh	.030	32	2600	4100
PS3-182K	18 µh	.032	21	2400	3900
PS3-222K	22 µh	.035	12	2200	3700
PS3-272K	27 µh	.038	8.5	2000	3600
PS3-332K	33 µh	.043	5.8	1800	3400
PS3-392K	39 µh	.047	3.5	1700	3200
PS3-472K	47 µh	.054	3.2	1500	3000
PS3-562K	56 µh	.060	2.9	1400	2900
PS3-682K	68 µh	.068	2.7	1200	2700
PS3-822K	82 µh	.073	2.5	1100	2600
PS3-103K	100 µh	.098	2.3	1000	2300
PS3-123K	120 µh	.140	2.1	930	1900
PS3-153K	150 µh	.180	1.9	830	1700
PS3-183K	180 µh	.200	1.5	760	1600
PS3-223K	220 µh	.280	1.3	680	1400
PS3-273K	270 µh	.310	1.3	620	1300
PS3-333K	330 µh	.350	1.2	560	1200
PS3-393K	390 µh	.380	1.1	510	1100
PS3-473K	470 µh	.440	1.0	460	1050
PS3-563K	560 µh	.480	.90	430	1000
PS3-683K	680 µh	.630	.80	390	890
PS3-823K	820 µh	.870	.72	350	760
PS3-104K	1.0 mh	.960	.65	320	720
PS3-124K	1.2 mh	1.30	.62	290	620
PS3-154K	1.5 mh	1.40	.58	260	600
PS3-184K	1.8 mh	1.70	.53	240	540
PS3-224K	2.2 mh	2.30	.44	220	470
PS3-274K	2.7 mh	2.60	.39	190	440
PS3-334K	3.3 mh	3.50	.360	180	380
PS3-394K	3.9 mh	3.80	.340	160	360
PS3-474K	4.7 mh	4.30	.320	150	340
PS3-564K	5.6 mh	5.60	.260	140	300
PS3-684K	6.8 mh	6.30	.240	120	280
PS3-824K	8.2 mh	8.60	.210	110	240
PS3-105K	10 mh	9.70	.200	100	220

* Current rating (Rated MADC) is based on 0.25 watt power dissipation for approximately 20°C temperature rise.

† Saturation current lowers inductance 5%.

PS2 Series

Part Number	Inductance	DC Resistance	Q Factor	Current Rating	Power Rating
PS2-102K	10 µh	.033	9.0	4100	1280
PS2-122K	12 µh	.037	8.0	3600	1280
PS2-152K	15 µh	.040	7.0	3300	1280
PS2-182K	18 µh	.044	6.2	3000	1280
PS2-222K	22 µh	.050	5.6	2700	1280
PS2-272K	27 µh	.058	5.0	2500	1280
PS2-332K	33 µh	.075	4.4	2200	1006
PS2-392K	39 µh	.094	3.8	2000	904
PS2-472K	47 µh	.109	3.4	1800	804
PS2-562K	56 µh	.140	3.0	1700	804
PS2-682K	68 µh	.145	2.7	1500	804
PS2-822K	82 µh	.152	2.4	1400	804
PS2-103K	100 µh	.208	2.1	1200	652
PS2-123K	120 µh	.283	1.9	1100	568
PS2-153K	150 µh	.340	1.7	1000	508
PS2-183K	180 µh	.362	1.5	950	508
PS2-223K	220 µh	.430	1.3	860	508
PS2-273K	270 µh	.557	1.2	770	400
PS2-333K	330 µh	.665	1.0	700	400
PS2-393K	390 µh	.772	.90	640	400
PS2-473K	470 µh	1.15	.80	590	315
PS2-563K	560 µh	1.27	.72	540	315
PS2-683K	680 µh	1.61	.64	490	250
PS2-823K	820 µh	1.96	.56	440	200
PS2-104K	1.0 mh	2.30	.50	400	200
PS2-124K	1.2 mh	2.65	.44	350	200
PS2-154K	1.5 mh	3.45	.40	330	158
PS2-184K	1.8 mh	4.03	.35	290	158
PS2-224K	2.2 mh	4.48	.32	270	158
PS2-274K	2.7 mh	5.90	.26	240	125
PS2-334K	3.3 mh	6.56	.25	220	125
PS2-394K	3.9 mh	8.65	.22	200	100
PS2-474K	4.7 mh	10.5	.19	180	100
PS2-564K	5.6 mh	13.9	.17	166	982
PS2-684K	6.8 mh	16.3	.15	151	982
PS2-824K	8.2 mh	20.8	.14	136	965
PS2-105K	10 mh	26.4	.12	125	950

† Saturation current lowers inductance 5%.

PS4 Series

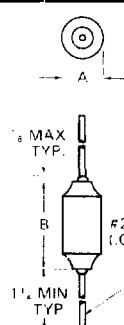
Part Number	Inductance	DC Resistance	Q Factor	Current Rating	Power Rating
PS4-102K	10 µh	.017	6.0	8700	4000
PS4-122K	12 µh	.019	4.8	8210	4000
PS4-152K	15 µh	.022	4.0	7540	4000
PS4-182K	18 µh	.023	3.3	6640	4000
PS4-222K	22 µh	.026	2.9	6070	4000
PS4-272K	27 µh	.027	2.5	5360	4000
PS4-332K	33 µh	.032	2.2	4820	4000
PS4-392K	39 µh	.033	2.0	4360	4000
PS4-472K	47 µh	.035	1.7	3980	4000
PS4-562K	56 µh	.037	1.5	3660	3200
PS4-682K	68 µh	.047	1.3	3310	2500
PS4-822K	82 µh	.060	1.2	3100	2000
PS4-103K	100 µh	.090	1.1	2790	1600
PS4-123K	120 µh	.113	1.0	2540	1600
PS4-153K	150 µh	.129	.90	2220	1600
PS4-183K	180 µh	.150	.82	1980	1600
PS4-223K	220 µh	.162	.74	1890	1600
PS4-273K	270 µh	.208	.66	1630	1600
PS4-333K	330 µh	.212	.61	1510	1600
PS4-393K	390 µh	.281	.56	1390	1600
PS4-473K	470 µh	.380	.51	1240	1200
PS4-563K	560 µh	.420	.47	1170	1000
PS4-683K	680 µh	.548	.43	1050	1000
PS4-823K	820 µh	.655	.39	970	800
PS4-104K	1.0 mh	.844	.36	870	800
PS4-124K	1.2 mh	1.04	.33	790	600
PS4-154K	1.5 mh	1.18	.31	700	600
PS4-184K	1.8 mh	1.56	.29	640	600
PS4-224K	2.2 mh	2.00	.27	580	500
PS4-274K	2.7 mh	2.06	.24	530	400
PS4-334K	3.3 mh	2.53	.23	470	400
PS4-394K	3.9 mh	2.75	.22	430	400
PS4-474K	4.7 mh	3.19	.20	390	400
PS4-564K	5.6 mh	3.32	.19	395	315
PS4-684K	6.8 mh	5.89	.18	322	250
PS4-824K	8.2 mh	6.32	.17	293	250
PS4-105K	10 mh	7.30	.16	266	250

† Saturation current lowers inductance 5%.

Axial Lead Chokes

Part Number	Inductance	DC Resistance	Q Factor	Current Rating	Power Rating
AB252	25	1.0	0.12	.35	0.85
AB502	50	1.0	0.17	.35	1.10
AB103	100	1.0	0.25	.45	0.85
AB253	250	1.0	0.44	.45	0.85
AB503	500	1.0	0.56	.50	1.10
AB753	750	1.0	0.74	.50	1.10
BB252	25	2.0	0.085	.40	1.00
BB502	50	2.0	0.135	.50	1.10
BB103	100	2.0	0.155	.45	0.85
BB253	250	2.0	0.275	.50	1.10
CB501	5	3.0	0.020	.40	0.85
CB102	10	3.0	0.035	.40	0.85
CB252	25	3.0	0.060	.50	1.10
CB502	50	3.0	0.075	.50	0.85
CB103	100	3.0	0.125	.60	1.10

* Current that will cause a maximum 10% drop in inductance



	L	D	leadage
PS1	.630	.260	1 1/4" 20 ga
PS2	.630	.260	1 1/4" 20 ga
PS3	.780	.420	1 1/4" 20 ga
PS4	.900	.453	1 1/4" 20 ga

