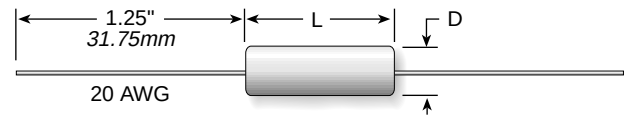


FEATURES

- 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

PS Series

Miniature High-Current Chokes



* Nominal, at 1kHz, ±10%

† Saturation current lowers inductance 5%.

†† Current rating for PS1 and PS3 series is based on 0.25 watt power dissipation for approximately 20°C temperature rise.

Series	Inductance* (µH)	Rated current†† (mA)	Saturation current† (mA DC)	SRF min. (MHz)	DCR max. (Ω)	Series	Dimensions (in / mm)	
							Length	Diameter
PS1	10–10,000	30–2600	19–1900	0.074–35	0.038–270	PS1	0.630 / 16.00	0.260 / 6.60
PS2	10–10,000	50–1280	125–4100	0.12–9.0	0.033–26.4	PS2	0.630 / 16.00	0.260 / 6.60
PS3	10–10,000	100–3200	100–3200	0.20–45	0.023–9.70	PS3	0.780 / 19.81	0.420 / 10.67
PS4	10–10,000	250–4000	266–8700	0.16–6.0	0.017–7.30	PS4	0.900 / 22.86	0.453 / 11.51

STOCK PART NUMBERS

Part number	Inductance* (µH)	DCR max. (Ω)	SRF min. (MHz)	Saturation DC current† (mA)	Rated DC current†† (mA)	Part number	Inductance* (µH)	DCR max. (Ω)	SRF min. (MHz)	Saturation DC current† (mA)	Rated DC current†† (mA)	Part number	Inductance* (µH)	DCR max. (Ω)	SRF min. (MHz)	Saturation DC current† (mA)	Rated DC current†† (mA)	Part number	Inductance* (µH)	DCR max. (Ω)	SRF min. (MHz)	Saturation DC current† (mA)	Rated DC current†† (mA)
PS1-						PS2-						PS3-						PS4-					
-102K	10	0.038	35	1900	2600	-102K	10	0.033	9.0	4100	1280	-102K	10	0.023	45	3200	4600	-102K	10	0.017	6.0	8700	4000
-122K	12	0.043	21	1700	2400	-122K	12	0.037	8.0	3600	1280	-122K	12	0.025	40	2900	4500	-122K	12	0.019	4.8	8210	4000
-152K	15	0.049	14	1500	2300	-152K	15	0.040	7.0	3300	1280	-152K	15	0.030	32	2600	4100	-152K	15	0.022	4.0	7340	4000
-182K	18	0.054	10	1400	2200	-182K	18	0.044	6.2	3000	1280	-182K	18	0.032	21	2400	3900	-182K	18	0.023	3.3	6640	4000
-222K	22	0.059	8.0	1300	2100	-222K	22	0.050	5.6	2700	1280	-222K	22	0.035	12	2200	3700	-222K	22	0.026	2.9	6070	4000
-272K	27	0.070	6.5	1100	1900	-272K	27	0.058	5.0	2500	1280	-272K	27	0.038	8.5	2000	3600	-272K	27	0.027	2.5	5360	4000
-332K	33	0.077	6.1	1000	1800	-332K	33	0.075	4.4	2200	1008	-332K	33	0.043	5.8	1800	3400	-332K	33	0.032	2.2	4820	4000
-392K	39	0.084	5.7	940	1700	-392K	39	0.094	3.8	2000	804	-392K	39	0.047	3.5	1700	3200	-392K	39	0.033	2.0	4360	4000
-472K	47	0.093	5.1	870	1600	-472K	47	0.109	3.4	1800	804	-472K	47	0.054	3.2	1500	3000	-472K	47	0.035	1.7	3980	4000
-562K	56	0.120	4.3	790	1500	-562K	56	0.140	3.0	1700	804	-562K	56	0.060	2.9	1400	2900	-562K	56	0.037	1.5	3660	3200
-682K	68	0.130	3.6	710	1400	-682K	68	0.145	2.7	1500	804	-682K	68	0.068	2.7	1200	2700	-682K	68	0.047	1.3	3310	2500
-822K	82	0.160	3.2	650	1300	-822K	82	0.152	2.4	1400	804	-822K	82	0.073	2.5	1100	2600	-822K	82	0.060	1.2	3100	2000
-103K	100	0.240	3.0	590	1000	-103K	100	0.208	2.1	1200	632	-103K	100	0.098	2.3	1000	2300	-103K	100	0.090	1.1	2790	1600
-123K	120	0.320	2.7	540	880	-123K	120	0.283	1.9	1100	508	-123K	120	0.140	2.1	930	1900	-123K	120	0.113	1.0	2540	1600
-153K	150	0.430	2.1	480	760	-153K	150	0.340	1.7	1000	508	-153K	150	0.180	1.9	830	1700	-153K	150	0.129	0.90	2220	1600
-183K	180	0.480	1.7	440	720	-183K	180	0.362	1.5	950	508	-183K	180	0.200	1.5	760	1600	-183K	180	0.150	0.82	1980	1600
-223K	220	0.550	1.6	400	670	-223K	220	0.430	1.3	860	508	-223K	220	0.280	1.3	680	1400	-223K	220	0.162	0.74	1890	1600
-273K	270	0.620	1.5	360	640	-273K	270	0.557	1.2	770	400	-273K	270	0.310	1.3	620	1300	-273K	270	0.208	0.68	1630	1600
-333K	330	0.720	1.4	320	590	-333K	330	0.665	1.0	700	400	-333K	330	0.350	1.2	560	1200	-333K	330	0.212	0.61	1510	1600
-393K	390	0.790	1.3	300	560	-393K	390	0.772	0.90	640	400	-393K	390	0.380	1.1	510	1100	-393K	390	0.281	0.56	1390	1600
-473K	470	0.880	1.2	270	530	-473K	470	1.15	0.80	590	315	-473K	470	0.440	1.0	460	1050	-473K	470	0.380	0.51	1240	1200
-563K	560	1.2	1.1	250	460	-563K	560	1.27	0.72	540	315	-563K	560	0.480	0.90	430	1000	-563K	560	0.420	0.47	1170	1000
-683K	680	1.5	1.0	230	410	-683K	680	1.61	0.64	490	250	-683K	680	0.630	0.80	390	890	-683K	680	0.548	0.43	1050	1000
-823K	820	1.7	0.960	210	380	-823K	820	1.96	0.56	440	200	-823K	820	0.870	0.72	350	760	-823K	820	0.655	0.39	970	800
-104K	1,000	1.9	0.880	190	360	-104K	1,000	2.30	0.50	400	200	-104K	1,000	0.960	0.65	320	720	-104K	1,000	0.844	0.36	870	800
-124K	1,200	2.4	0.780	170	320	-124K	1,200	2.65	0.44	350	200	-124K	1,200	1.30	0.62	290	620	-124K	1,200	1.04	0.33	790	600
-154K	1,500	2.8	0.640	150	300	-154K	1,500	3.45	0.40	330	158	-154K	1,500	1.40	0.58	260	600	-154K	1,500	1.18	0.31	700	600
-184K	1,800	3.1	0.600	140	280	-184K	1,800	4.03	0.35	290	158	-184K	1,800	1.70	0.53	240	540	-184K	1,800	1.56	0.29	640	600
-224K	2,200	4.5	0.540	120	240	-224K	2,200	4.48	0.32	270	158	-224K	2,200	2.30	0.44	220	470	-224K	2,200	2.00	0.27	580	500
-274K	2,700	5.8	0.440	110	210	-274K	2,700	5.90	0.28	240	125	-274K	2,700	2.60	0.39	190	440	-274K	2,700	2.06	0.25	530	400
-334K	3,300	8.1	0.430	100	180	-334K	3,300	6.56	0.25	220	125	-334K	3,300	3.50	0.360	180	380	-334K	3,300	2.53	0.23	470	400
-394K	3,900	8.9	0.400	95	170	-394K	3,900	8.65	0.22	200	100	-394K	3,900	3.80	0.340	160	360	-394K	3,900	2.75	0.22	430	400
-474K	4,700	10	0.380	86	160	-474K	4,700	10.5	0.19	180	100	-474K	4,700	4.30	0.320	150	340	-474K	4,700	3.19	0.20	390	400
-564K	5,600	11	0.350	79	150	-564K	5,600	13.9	0.17	166	82	-564K	5,600	5.60	0.260	140	300	-564K	5,600	3.92	0.19	395	315
-684K	6,800	15	29	72	130	-684K	6,800	16.3	0.15	151	82	-684K	6,800	6.30	0.240	120	280	-684K	6,800	5.69	0.18	322	250
-824K	8,200	17	26	65	120	-824K	8,200	20.8	0.14	138	65	-824K	8,200	8.60	0.210	110	240	-824K	8,200	6.32	0.17	293	250
-105K	10,000	22	24	59	110	-105K	10,000	26.4	0.12	125	50	-105K	10,000	9.70	0.200	100	220	-105K	10,000	7.30	0.16	266	250