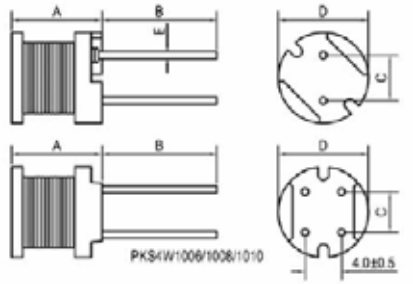
PKS SERIES

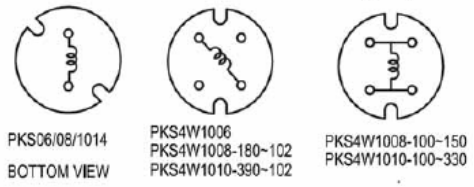
PEAKING COILS.

Applications :

- Television, VCD, DVD.
- Personal computer.
- Switching Power Supplies.
- Telecommunication devices.

Shape and Dimension(unit:mm):





Item	A Max.	B±1.0	C±0.5	D Max.	E±0.05
PKS0605	5.2	4.0	4.0	6.5	0.50
PKS0606	6.5	4.0	4.0	6.5	0.50
PKS0805	5.5	5.0	5.0	8.3	0.65
PKS0807	7.5	5.0	5.0	8.3	0.65
PKS0809	9.5	5.0	5.0	8.3	0.65

Item	A Max.	B±1.0	C±0.5	D Max.	E±0.05
PKS4W1006	6.5	3.5	5.0	10.5	0.80
PKS4W1008	8.5	3.5	5.0	10.5	0.80
PKS4W1010	10.5	3.5	5.0	10.5	0.80
PKS1014	14.4	5.0	5.0	10.5	0.80

Features :

- Low cost power inductor.
- Low DC Resistance and high current.
- Best for the power supply line.
- Also have sleeve(UL tube) wrapped to protect the winding.
- Except PKS4W,tape packaging for auto-insertion.

Product Identification :

PKS 0807 - 101 K - TF

(1) (2) (3) (4) (5)

(1) Type: Peaking coils.

(2) Style: Core size, OD=8.3mm max, Ht=7.5mm max.

(3) Inductance: 101 for 100uH.

(4) Inductance tolerance: K: ± 10%, M: ± 20%.

(5) Packing:"TF": Tape; No code: Bulk.

Characteristics:

- Rated Current : It is either the inductance is 10% lower is than its initial value in DC. saturation characteristics or temperature rise becomes △T=40℃(Ta=20) Whichever lower.
- Operating temperature : -20 to 85℃.

Test equipment:

- L : HP4284A or HP4285A LCR meter.
- DCR: Millil-ohm meter.
- Electrical specifications at 25 ℃.

● PKS 0605 / 0606 / 0805 / 0807 / 0809 series

Part No.	L	DCR(Ω)Max.					Rated Current (A) Max.				
	(uH)	PKS 0605	PKS 0606	PKS 0805	PKS 0807	PKS 0809	PKS 0605	PKS 0606	PKS 0805	PKS 0807	PKS 0809
100M	10			0.07	0.05	0.04			2.50	2.90	2.60
120M	12			0.08	0.06	0.04			2.40	2.50	2.60
150M	15			0.09	0.07	0.05			2.10	2.20	2.10
180M	18			0.10	0.08	0.05			2.00	1.90	2.00
220K	22	0.18	0.11	0.12	0.09	0.06	0.90	1.27	1.70	1.80	1.70
270K	27	0.21	0.14	0.14	0.11	0.06	0.81	1.14	1.60	1.70	1.60
330K	33	0.27	0.17	0.17	0.13	0.07	0.74	1.03	1.40	1.50	1.40
390K	39	0.29	0.19	0.21	0.14	0.08	0.68	0.95	1.30	1.30	1.40
470K	47	0.34	0.23	0.24	0.15	0.10	0.62	0.87	1.20	1.30	1.30
560K	56	0.42	0.26	0.31	0.18	0.11	0.57	0.80	1.10	1.20	1.20
680K	68	0.48	0.28	0.34	0.20	0.14	0.51	0.72	1.00	1.10	1.10
820K	82	0.55	0.39	0.40	0.24	0.16	0.47	0.66	0.93	1.00	1.00
101K	100	0.68	0.43	0.52	0.28	0.19	0.42	0.59	0.81	0.89	0.90
121K	120	0.77	0.54	0.59	0.36	0.22	0.39	0.54	0.76	0.81	0.82
151K	150	0.95	0.64	0.71	0.42	0.27	0.35	0.48	0.67	0.72	0.74
181K	180	1.15	0.74	0.89	0.57	0.31	0.32	0.44	0.62	0.66	0.71
221K	220	1.30	0.96	1.04	0.63	0.38	0.29	0.40	0.54	0.57	0.64
271K	270	1.55	1.12	1.28	0.88	0.53	0.26	0.36	0.49	0.51	0.57
331K	330	2.18	1.48	1.60	1.05	0.61	0.23	0.33	0.44	0.46	0.51
391K	390	2.47	1.66	1.67	1.17	0.69	0.21	0.30	0.41	0.44	0.48
471K	470	2.92	1.91	2.55	1.34	0.89	0.20	0.28	0.38	0.41	0.43
561K	560	3.97	2.31	2.83	1.72	1.01	0.18	0.25	0.35	0.36	0.40
681K	680	4.57	2.67	3.25	1.96	1.18	0.16	0.23	0.32	0.33	0.35
821K	820	5.28	3.10	3.82	2.56	1.57	0.15	0.21	0.31	0.30	0.32
102K	1000	7.06	4.45	5.28	2.94	1.84	0.13	0.19	0.25	0.27	0.30
122K	1200			6.03	4.04	2.10			0.23	0.24	0.27
152K	1500			7.15	4.70	2.80			0.21	0.22	0.23
182K	1800			8.26	5.05	3.21			0.20	0.20	0.21
222K	2200			11.1	6.25	4.21			0.18	0.18	0.19
272K	2700			13.1	8.72	4.94			0.16	0.16	0.17
332K	3300			15.9	10.6	6.16			0.14	0.15	0.15
392K	3900			18.0	14.2	6.84			0.13	0.14	0.14
472K	4700			23.9	16.7	7.89			0.12	0.12	0.13
562K	5600			26.8	18.7	11.5			0.11	0.11	0.12
682K	6800			36.0	21.8	13.2			0.098	0.10	0.11
822K	8200			46.5	28.7	15.2			0.088	0.093	0.10
103K	10000			55.7	33.0	22.0			0.081	0.084	0.089
123K	12000					25.0					0.073
153K	15000					29.1					0.068
183K	18000					38.9					0.066
223K	22000					44.9					0.059
273K	27000					55.7					0.052
333K	33000					64.2					0.048
393K	39000					74.2					0.042
473K	47000					96.4					0.038

NOTE : Measuring Frequency: 10uH~82uH @ 2.52MHz 0.25V , 100uH~47mH @ 1kHz 0.5V

● PKS4W1006 / 1008 / 1010 / PKS1014 series

Part No.	L	DCR(Ω)Max.				Rated Current (A) Max.			
	(uH)	PKS4W 1006	PKS4W 1008	PKS4W 1010	PKS 1014	PKS4W 1006	PKS4W 1008	PKS4W 1010	PKS 1014
6R3M	6.3				0.026				4.30
7R5M	7.5				0.029				4.20
100M	10	0.040	0.027	0.022	0.033	3.60	4.50	5.30	4.00
120M	12	0.044	0.031	0.023	0.035	3.30	4.10	4.90	3.90
150M	15	0.058	0.035	0.026	0.039	2.90	3.70	4.40	3.70
180M	18	0.064	0.049	0.033	0.047	2.70	3.40	4.00	3.50
220M	22	0.088	0.055	0.037	0.051	2.40	3.10	3.60	3.30
270M	27	0.100	0.062	0.048	0.057	2.20	2.80	3.30	3.10
330K	33	0.110	0.079	0.055	0.064	2.00	2.50	2.90	2.90
390K	39	0.140	0.087	0.073	0.074	1.80	2.30	2.70	2.70
470K	47	0.160	0.099	0.083	0.083	1.70	2.10	2.50	2.50
560K	56	0.190	0.130	0.092	0.104	1.50	1.90	2.30	2.30
680K	68	0.220	0.140	0.120	0.117	1.40	1.70	2.10	2.10
820K	82	0.290	0.160	0.140	0.130	1.30	1.60	1.90	1.90
101K	100	0.320	0.210	0.160	0.143	1.30	1.40	1.70	1.70
121K	120	0.380	0.240	0.200	0.195	1.20	1.30	1.50	1.50
151K	150	0.500	0.320	0.230	0.221	1.00	1.20	1.40	1.40
181K	180	0.560	0.350	0.310	0.260	0.81	1.10	1.30	1.30
221K	220	0.780	0.450	0.340	0.350	0.76	0.96	1.10	1.20
271K	270	0.920	0.610	0.400	0.390	0.69	0.87	1.00	1.10
331K	330	1.10	0.690	0.520	0.520	0.62	0.79	0.93	1.00
391K	390	1.30	0.780	0.650	0.570	0.57	0.72	0.86	0.92
471K	470	1.50	1.00	0.710	0.650	0.52	0.66	0.78	0.84
561K	560	1.90	1.20	1.00	0.790	0.48	0.60	0.71	0.75
681K	680	2.20	1.40	1.10	0.960	0.43	0.55	0.65	0.69
821K	820	2.60	1.80	1.30	1.22	0.40	0.50	0.59	0.62
102K	1000	3.20	2.10	1.70	1.60	0.36	0.45	0.53	0.52
122K	1200				2.20				0.46
152K	1500				2.50				0.41
182K	1800				2.90				0.36
222K	2200				3.20				0.32
272K	2700				3.70				0.29
332K	3300				5.00				0.27
392K	3900				5.60				0.25
472K	4700				7.40				0.23
562K	5600				8.20				0.21
682K	6800				11.9				0.19
822K	8200				14.0				0.17
103K	10000				16.0				0.16
123K	12000				21.0				0.15
153K	15000				24.0				0.14
183K	18000				27.0				0.13
223K	22000				34.0				0.12
273K	27000				39.0				0.11
333K	33000				51.0				0.10
393K	39000				58.0				0.09

NOTE : L Measuring Frequency: 10uH~82uH @ 2.52MHz 0.25V , 100uH~39mH @1kHz 0.25V

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.