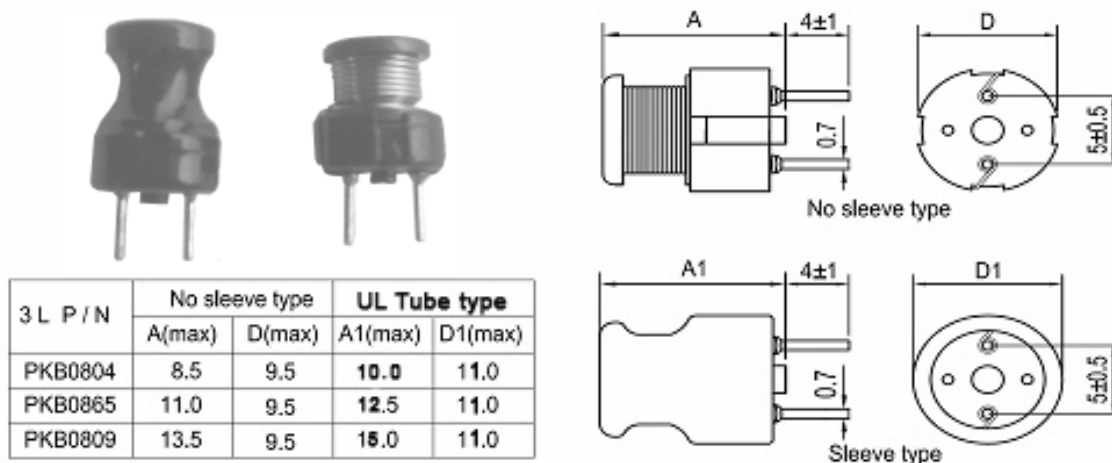


Shape and size : (Dimensions are in mm)



Features :

- Ideal as a choke coil for noise filtering and DC/DC convertor applications.
- Small size radial lead type.
- With a special base for uniform lead wire.
- High inductance with high rated current.
- Available with or without heat shrunk.
- Tape packaging for automatic insertion.

Ordering information :

PK B 0865 - 221 K - S0

(1) (2) (3) (4) (5) (6)

(1) Type : **Peaking coils** .

(2) Base : **K8IN**

(3) Style : Core **D=8.0 mm** ; **L=6.5 mm**

(4) Inductance : **221** for **220** uH

(5) Inductance tolerance :

J : ±5% ; **K** : ±10% ; **M** : ± 20% .

(6) Sleeve : "**S0**" : **Black** PVC sleeve, "**S6**" : **Blue**....

"**UL**" : Black UL 125°C Tube; No code: No sleeve.

Inductance and rated current ranges :

• PKB0804	100uH ~ 15mH	200A ~ 20mA
• PKB0865	1.0uH ~ 470uH	8.6A ~ 0.52A
• PKB0809	100uH ~ 36mH	800mA ~ 40mA

Characteristics :

- Rated DC Current: It is either the inductance is 10% lower than it's initial value in D.C. saturation characteristics or temperature raise becomes $\Delta T=20^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.
- Operating temperature : -20 °C to 80 °C.

Test equipments and test setup :

- L & Q: HP 4285A with HP42851A (Freq. >75kHz).
- L & Q: HP 4284A (Freq.<75kHz).
- DCR : Milli-ohm meter.
- SRF : HM9461 L-SRF meter or equivalent.
- Electrical specifications at 25°C.

Applications :

- TVs and Audio equipment .
- Telecommunication devices .
- Buzzers and Alarm system .
- Switching Power Supply
- System requiring Band and High Q
- Other noise filter .

Part No.	L (uH)	Q Min.	L&Q Test Freq. (MHz)	DCR (Ohm) Max.	Rated DC Current (mA) Max.	SRF (MHz) Min.
PKB0804 -101K -□□	120	60	0.796	3.0	200	5.5
PKB0804 -121K -□□	120	60	0.796	3.0	200	5.5
PKB0804 -151K -□□	150	60	0.796	3.0	200	5.0
PKB0804 -181K -□□	180	60	0.796	3.0	200	4.7
PKB0804 -221K -□□	220	60	0.796	3.0	150	4.5
PKB0804 -271K -□□	270	60	0.796	3.0	150	4.1
PKB0804 -331K -□□	330	60	0.796	4.0	150	3.8
PKB0804 -391K -□□	390	60	0.796	4.0	100	3.5
PKB0804 -471K -□□	470	60	0.796	5.0	100	3.2
PKB0804 -561K -□□	560	60	0.796	6.0	100	2.9
PKB0804 -681K -□□	680	60	0.796	6.0	100	2.7
PKB0804 -821K -□□	820	60	0.796	7.0	50	2.3
PKB0804 -102K -□□	1,000	80	0.252	9.0	50	2.1
PKB0804 -122K -□□	1,200	80	0.252	9.0	50	1.9
PKB0804 -152K -□□	1,500	80	0.252	11.0	50	1.8
PKB0804 -182K -□□	1,800	80	0.252	12.0	50	1.6
PKB0804 -222K -□□	2,200	80	0.252	14.0	50	1.5
PKB0804 -272K -□□	2,700	80	0.252	15.0	50	1.4
PKB0804 -332K -□□	3,300	80	0.252	25.0	40	0.9
PKB0804 -392K -□□	3,900	80	0.252	30.0	40	0.9
PKB0804 -472K -□□	4,700	80	0.252	32.0	40	0.8
PKB0804 -562K -□□	5,600	80	0.252	36.0	30	0.7
PKB0804 -682K -□□	6,800	80	0.252	40.0	30	0.7
PKB0804 -822K -□□	8,200	80	0.252	45.0	30	0.6
PKB0804 -103K -□□	10,000	60	0.0796	55.0	20	0.6
PKB0804 -123K -□□	12,000	60	0.0796	65.0	20	0.5
PKB0804 -153K -□□	15,000	60	0.0796	80.0	20	0.5

Part No.	L (uH)	Q Min.	L&Q Test FREQ (MHz)	DC Resistance (Ohm)MAX.	Rated DC Current (mA)MAX.
PKB0865-1R0M-□□	1.0	20	25.2	0.021	8.60
PKB0865-1R5M-□□	1.5	20	7.96	0.023	7.60
PKB0865-2R2M-□□	2.2	20	7.96	0.026	6.30
PKB0865-3R3M-□□	3.3	20	7.96	0.030	5.40
PKB0865-4R7M-□□	4.7	20	7.96	0.034	4.60
PKB0865-6R8M-□□	6.8	20	7.96	0.037	4.10
PKB0865-100K-□□	10	50	2.52	0.044	3.40
PKB0865-120K-□□	12	50	2.52	0.049	3.10
PKB0865-150K-□□	15	50	2.52	0.054	2.90
PKB0865-180K-□□	18	40	2.52	0.058	2.66
PKB0865-220K-□□	22	40	2.52	0.065	2.40
PKB0865-270K-□□	27	40	2.52	0.072	2.22
PKB0865-330K-□□	33	30	2.52	0.080	2.05
PKB0865-390K-□□	39	30	2.52	0.091	1.85
PKB0865-470K-□□	47	30	2.52	0.101	1.77
PKB0865-560K-□□	56	30	2.52	0.145	1.48
PKB0865-680K-□□	68	30	2.52	0.161	1.36
PKB0865-820K-□□	82	30	2.52	0.174	1.30
PKB0865-101K-□□	100	20	0.796	0.221	1.13
PKB0865-121K-□□	120	20	0.796	0.254	1.02
PKB0865-151K-□□	150	20	0.796	0.360	0.92
PKB0865-181K-□□	180	20	0.796	0.451	0.80
PKB0865-221K-□□	220	20	0.796	0.509	0.73
PKB0865-271K-□□	270	20	0.796	0.579	0.67
PKB0865-331K-□□	330	20	0.796	0.657	0.62
PKB0865-391K-□□	390	20	0.796	0.742	0.57
PKB0865-471K-□□	470	20	0.796	0.836	0.52

Part No.	L (uH)	Q Min.	L&Q Test FREQ (MHz)	DC Resistance (Ohm)MAX.	Rated DC Current (mA) Max.	S.R.F (MHz) Min.
PKB0809-101K-□□	100	80	0.796	0.52	800	4.5
PKB0809-121K-□□	120	80	0.796	0.52	740	4.2
PKB0809-151K-□□	150	80	0.796	0.62	660	3.8
PKB0809-181K-□□	180	80	0.796	0.82	600	3.3
PKB0809-221K-□□	220	80	0.796	1.0	550	2.9
PKB0809-271K-□□	270	80	0.796	1.2	490	2.6
PKB0809-331K-□□	330	80	0.796	1.5	440	2.3
PKB0809-391K-□□	390	80	0.796	1.8	390	2.0
PKB0809-471K-□□	470	80	0.796	2.0	350	1.80
PKB0809-561K-□□	560	80	0.796	3.0	320	1.7
PKB0809-681K-□□	680	80	0.796	3.0	290	1.60
PKB0809-821K-□□	820	80	0.796	3.3	260	1.40
PKB0809-102K-□□	1,000	90	0.252	3.3	220	1.30
PKB0809-122K-□□	1,200	90	0.252	3.6	200	1.2
PKB0809-152K-□□	1,500	90	0.252	3.9	180	1.1
PKB0809-182K-□□	1,800	90	0.252	5.6	160	1
PKB0809-222K-□□	2,200	90	0.252	6.2	140	0.9
PKB0809-272K-□□	2,700	90	0.252	7.5	120	0.8
PKB0809-332K-□□	3,300	90	0.252	8.2	110	0.7
PKB0809-392K-□□	3,900	90	0.252	9.1	100	0.7
PKB0809-472K-□□	4,700	90	0.252	11.0	100	0.6
PKB0809-562K-□□	5,600	90	0.252	15.0	90	0.6
PKB0809-682K-□□	6,800	90	0.252	20.0	80	0.5
PKB0809-822K-□□	8,200	90	0.252	22.0	70	0.5
PKB0809-103K-□□	10,000	100	0.0796	25.0	65	0.4
PKB0809-123K-□□	12,000	100	0.0796	27.0	60	0.4
PKB0809-153K-□□	15,000	100	0.0796	33.0	56	0.3
PKB0809-183K-□□	18,000	100	0.0796	36.0	52	0.3
PKB0809-223K-□□	22,000	100	0.0796	42.0	48	0.3
PKB0809-273K-□□	27,000	100	0.0796	59.0	45	0.3
PKB0809-333K-□□	33,000	100	0.0796	65.0	42	0.2
PKB0809-363K-□□	36,000	100	0.0796	70.0	40	0.2