



PK SERIES

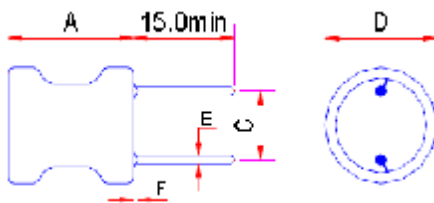
PEAKING COILS.

Applications:

- TVs and Audio equipment.
- Telecommunication devices.
- Personal computer.
- Switching Power Supply.
- Other noise filter.



Shape and Dimensions(Dimensions are in mm) :



| Item | A Max. | C | D Max. | E±0.05 | Item | A Max. | C | D Max. | E±0.05 |
|--------|--------|---------|--------|--------|--------|--------|----------|--------|--------|
| PK0406 | 8.0 | 2.0±0.5 | 5.5 | 0.55 | PK1010 | 13.0 | 5.0+1.0 | 12.0 | 0.80 |
| PK0608 | 11.0 | 2.5±0.5 | 7.5 | 0.65 | PK1012 | 15.0 | 6.0+1.0 | 12.0 | 0.80 |
| PK0707 | 9.5 | 5.0±1.0 | 8.5 | 0.65 | PK1018 | 21.0 | 6.0±1.0 | 12.0 | 0.80 |
| PK0807 | 9.5 | 5.0±1.0 | 10.0 | 0.55 | PK1213 | 16.0 | 7.50±1.0 | 14.0 | 0.80 |
| PK0810 | 13.0 | 5.0+1.0 | 10.0 | 0.65 | | | | | |

Features :

- Low cost.
- Wide range of inductance.
- Small mounting space required.
- 0406 type with excellent characteristics for high Q.
- The other types with low DCR, high current, best for the power supply line.
- Tape packaging for auto-insertion.

Characteristics :

- Rated Current : It is either the inductance is 10% lower is than its initial value in DC. saturation characteristics or temperature rise becomes $\Delta T=20^{\circ}\text{C}$ ($T_a=20$) Whichever lower.
- Operating temperature : -20 to 85°C .

Product Identification :

PK 0608 – 503 K – UL – TF

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

- (1) Type: **Peaking coils.**
- (2) Style : Core size, **OD=6 mm , L=8 mm.**
- (3) Inductance: **“503”** for **50 mH.**
- (4) Tolerance: **“J”**: $\pm 5\%$; **“K”**: $\pm 10\%$; **“M”**: $\pm 20\%$.
- (5) Sleeve: UL tube, Black, 125°C ; No code: NO sleeve
- (6) Taping Mode: **TF** Taping; No code: bulk

Test equipments :

- L&Q: HP 4285A or HP 4284A.
- DCR: Milli-ohm meter.
- SRF: HM 9461 L-SRF meter.
- Electrical specifications at 25°C .


● PK0406 series

| Part No. | L @1kHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Min. | DCR (Ω) Max. | Rated Current (mA) Max. |
|----------------|----------------------|-----------|--------------------|----------------------|--------------------|-------------------------------|
| PK0406-1R0M-□□ | 1.0 | 100 | 7.96MHz | 120 | 0.035 | 2000 |
| PK0406-1R2M-□□ | 1.2 | 100 | 7.96 MHz | 120 | 0.058 | 1950 |
| PK0406-1R5M-□□ | 1.5 | 100 | 7.96 MHz | 120 | 0.075 | 1900 |
| PK0406-1R8M-□□ | 1.8 | 100 | 7.96 MHz | 120 | 0.110 | 1800 |
| PK0406-2R2M-□□ | 2.2 | 100 | 7.96 MHz | 100 | 0.120 | 1750 |
| PK0406-2R7M-□□ | 2.7 | 100 | 7.96 MHz | 80 | 0.125 | 1680 |
| PK0406-3R3M-□□ | 3.3 | 100 | 7.96 MHz | 75 | 0.130 | 1500 |
| PK0406-3R9K-□□ | 3.9 | 100 | 7.96 MHz | 70 | 0.135 | 1450 |
| PK0406-4R7K-□□ | 4.7 | 100 | 7.96 MHz | 50 | 0.140 | 1320 |
| PK0406-5R6K-□□ | 5.6 | 100 | 7.96 MHz | 45 | 0.145 | 1230 |
| PK0406-6R8K-□□ | 6.8 | 100 | 7.96 MHz | 30 | 0.15 | 1150 |
| PK0406-8R2K-□□ | 8.2 | 100 | 7.96 MHz | 22 | 0.16 | 1100 |
| PK0406-100K-□□ | 10 | 80 | 2.52 MHz | 20 | 0.23 | 1000 |
| PK0406-120K-□□ | 12 | 80 | 2.52 MHz | 17 | 0.24 | 970 |
| PK0406-150K-□□ | 15 | 80 | 2.52 MHz | 16 | 0.25 | 920 |
| PK0406-180K-□□ | 18 | 80 | 2.52 MHz | 12 | 0.33 | 860 |
| PK0406-220K-□□ | 22 | 80 | 2.52 MHz | 10 | 0.45 | 800 |
| PK0406-270K-□□ | 27 | 80 | 2.52 MHz | 9.5 | 0.50 | 710 |
| PK0406-330K-□□ | 33 | 80 | 2.52 MHz | 8.7 | 0.70 | 660 |
| PK0406-390K-□□ | 39 | 70 | 2.52 MHz | 8.2 | 0.74 | 600 |
| PK0406-470K-□□ | 47 | 70 | 2.52 MHz | 7.8 | 0.76 | 550 |
| PK0406-560K-□□ | 56 | 50 | 2.52 MHz | 7.6 | 0.80 | 500 |
| PK0406-680K-□□ | 68 | 50 | 2.52 MHz | 6.8 | 0.90 | 470 |
| PK0406-820K-□□ | 82 | 50 | 2.52 MHz | 6.0 | 0.95 | 430 |
| PK0406-101K-□□ | 100 | 45 | 796kHz | 6.0 | 1.0 | 400 |
| PK0406-121K-□□ | 120 | 45 | 796kHz | 5.5 | 1.1 | 370 |
| PK0406-151K-□□ | 150 | 65 | 796kHz | 4.2 | 1.3 | 350 |
| PK0406-181k-□□ | 180 | 65 | 796kHz | 3.6 | 1.5 | 320 |
| PK0406-221k-□□ | 220 | 65 | 796kHz | 2.8 | 1.8 | 300 |
| PK0406-271k-□□ | 270 | 50 | 796kHz | 2.4 | 1.9 | 275 |
| PK0406-331K-□□ | 330 | 50 | 796kHz | 2.2 | 2.2 | 250 |
| PK0406-391K-□□ | 390 | 50 | 796kHz | 2.0 | 2.7 | 220 |
| PK0406-471K-□□ | 470 | 50 | 796kHz | 1.7 | 3.6 | 200 |
| PK0406-561K-□□ | 560 | 50 | 796kHz | 1.5 | 4.2 | 190 |
| PK0406-681K-□□ | 680 | 50 | 796kHz | 1.3 | 4.6 | 170 |
| PK0406-821K-□□ | 820 | 50 | 796kHz | 1.1 | 5.7 | 155 |
| PK0406-102K-□□ | 1000 | 90 | 252kHz | 1.0 | 6.7 | 150 |
| PK0406-122K-□□ | 1200 | 90 | 252kHz | 0.9 | 8.2 | 140 |
| PK0406-152K-□□ | 1500 | 80 | 252kHz | 0.8 | 13 | 120 |
| PK0406-182K-□□ | 1800 | 80 | 252kHz | 0.8 | 15 | 110 |
| PK0406-222K-□□ | 2200 | 80 | 252kHz | 0.8 | 17 | 100 |
| PK0406-272K-□□ | 2700 | 80 | 252kHz | 0.8 | 19 | 90 |
| PK0406-332K-□□ | 3300 | 70 | 252kHz | 0.7 | 26 | 83 |
| PK0406-392K-□□ | 3900 | 70 | 252kHz | 0.65 | 30 | 76 |
| PK0406-472K-□□ | 4700 | 65 | 252kHz | | 45 | 70 |
| PK0406-562K-□□ | 5600 | 65 | 252kHz | | 48 | 62 |
| PK0406-682K-□□ | 6800 | 65 | 252kHz | | 56 | 56 |
| PK0406-822K-□□ | 8200 | 65 | 252kHz | | 62 | 52 |
| PK0406-103K-□□ | 10000 | 45 | 79.6kHz | | 72 | 47 |
| PK0406-153K-□□ | 15000 | 45 | 79.6kHz | | 120 | 35 |
| PK0406-223K-□□ | 22000 | 45 | 79.6kHz | | 160 | 24 |
| PK0406-253K-□□ | 25000 | 45 | 79.6kHz | | 180 | 20 |


I PK0608 series

| Part No. | L @1kHz (μ H) | Q Min. | Q Test Freq. | DCR (Ω) Max. | Rated Current (mA) Max. |
|----------------|--------------------------|-----------|--------------------|-----------------------------|-------------------------------|
| PK0608-3R3K-□□ | 3.3 | 20 | 7.96MHz | 0.016 | 3500 |
| PK0608-4R7K-□□ | 4.7 | 20 | 7.96MHz | 0.020 | 3000 |
| PK0608-6R8K-□□ | 6.8 | 20 | 7.96MHz | 0.022 | 2500 |
| PK0608-100K-□□ | 10 | 30 | 2.52MHz | 0.039 | 2000 |
| PK0608-150K-□□ | 15 | 30 | 2.52MHz | 0.045 | 1700 |
| PK0608-220K-□□ | 22 | 30 | 2.52MHz | 0.062 | 1400 |
| PK0608-330K-□□ | 33 | 30 | 2.52MHz | 0.10 | 1100 |
| PK0608-470K-□□ | 47 | 30 | 2.52MHz | 0.15 | 950 |
| PK0608-680K-□□ | 68 | 30 | 2.52MHz | 0.22 | 800 |
| PK0608-101K-□□ | 100 | 20 | 796kHz | 0.35 | 650 |
| PK0608-151K-□□ | 150 | 20 | 796kHz | 0.43 | 540 |
| PK0608-221K-□□ | 220 | 20 | 796kHz | 0.90 | 440 |
| PK0608-331K-□□ | 330 | 20 | 796kHz | 1.50 | 360 |
| PK0608-471K-□□ | 470 | 20 | 796kHz | 1.80 | 300 |
| PK0608-681K-□□ | 680 | 20 | 796kHz | 2.50 | 250 |
| PK0608-102K-□□ | 1000 | 100 | 252kHz | 3.20 | 200 |
| PK0608-122K-□□ | 1200 | 70 | 252kHz | 3.5 | 180 |
| PK0608-152K-□□ | 1500 | 70 | 252kHz | 4.5 | 170 |
| PK0608-182K-□□ | 1800 | 70 | 252kHz | 5.0 | 155 |
| PK0608-222K-□□ | 2200 | 70 | 252kHz | 6.8 | 140 |
| PK0608-272K-□□ | 2700 | 70 | 252kHz | 7.2 | 125 |
| PK0608-332K-□□ | 3300 | 70 | 252kHz | 10.5 | 115 |
| PK0608-392K-□□ | 3900 | 70 | 252kHz | 11.7 | 105 |
| PK0608-472K-□□ | 4700 | 70 | 252kHz | 13.6 | 95 |
| PK0608-562K-□□ | 5600 | 70 | 252kHz | 16.6 | 85 |
| PK0608-682K-□□ | 6800 | 70 | 252kHz | 19.6 | 80 |
| PK0608-822K-□□ | 8200 | 70 | 252kHz | 25.2 | 70 |
| PK0608-103K-□□ | 10000 | 70 | 79.6kHz | 29.5 | 65 |
| PK0608-123K-□□ | 12000 | 50 | 79.6kHz | 33.8 | 60 |
| PK0608-153K-□□ | 15000 | 50 | 79.6kHz | 45.4 | 55 |
| PK0608-183K-□□ | 18000 | 50 | 79.6kHz | 50.4 | 50 |
| PK0608-223K-□□ | 22000 | 50 | 79.6kHz | 80.0 | 45 |
| PK0608-303K-□□ | 30000 | 50 | 79.6kHz | 91.5 | 40 |
| PK0608-333K-□□ | 33000 | 50 | 79.6kHz | 98.5 | 35 |
| PK0608-393K-□□ | 39000 | 50 | 79.6kHz | 140 | 32 |
| PK0608-473K-□□ | 47000 | 50 | 79.6kHz | 160 | 30 |
| PK0608-503K-□□ | 50000 | 50 | 79.6kHz | 170 | 29 |
| PK0608-563K-□□ | 56000 | 50 | 79.6kHz | 250 | 28 |
| PK0608-683K-□□ | 68000 | 50 | 79.6kHz | 282 | 25 |
| PK0608-823K-□□ | 82000 | 50 | 79.6kHz | 312 | 23 |
| PK0608-104K-□□ | 100000 | 30 | 25.2kHz | 380 | 20 |
| PK0608-124K-□□ | 120000 | 30 | 25.2kHz | 430 | 18 |
| PK0608-154K-□□ | 150000 | 30 | 25.2kHz | 520 | 16 |


I PK0707 / 0807 series

| Part No. | L @1kHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Min. | DCR (Ω) Max. | Saturation Current (A)Max. | Temperature Rise Current (A)Max. |
|----------------|--------------------|-----------|--------------------|----------------------|--------------------|----------------------------------|--|
| PK0707-1R0M-□□ | 1.0 | 10 | 7.96MHz | 70 | 0.006 | 6.6 | 5.0 |
| PK0707-1R5M-□□ | 1.5 | 10 | 7.96MHz | 56 | 0.008 | 5.4 | 4.3 |
| PK0707-2R2M-□□ | 2.2 | 10 | 7.96MHz | 45 | 0.011 | 4.0 | 3.7 |
| PK0707-3R3M-□□ | 3.3 | 10 | 7.96MHz | 36 | 0.018 | 3.6 | 2.9 |
| PK0707-4R7M-□□ | 4.7 | 10 | 7.96MHz | 29 | 0.022 | 3.1 | 2.6 |
| PK0707-6R8M-□□ | 6.8 | 10 | 7.96MHz | 24 | 0.028 | 2.5 | 2.3 |
| PK0707-100K-□□ | 10 | 20 | 2.52MHz | 19 | 0.043 | 2.1 | 1.9 |
| PK0707-150K-□□ | 15 | 20 | 2.52MHz | 15 | 0.056 | 1.7 | 1.6 |
| PK0707-220K-□□ | 22 | 20 | 2.52MHz | 12 | 0.086 | 1.4 | 1.3 |
| PK0707-330K-□□ | 33 | 20 | 2.52MHz | 9.4 | 0.14 | 1.1 | 1.0 |
| PK0707-470K-□□ | 47 | 20 | 2.52MHz | 7.6 | 0.17 | 0.96 | 0.94 |
| PK0707-680K-□□ | 68 | 20 | 2.52MHz | 6.2 | 0.28 | 0.79 | 0.73 |
| PK0707-101K-□□ | 100 | 20 | 796KHz | 5.0 | 0.33 | 0.66 | 0.67 |
| PK0707-151K-□□ | 150 | 20 | 796KHz | 4.0 | 0.56 | 0.53 | 0.52 |
| PK0707-221K-□□ | 220 | 20 | 796KHz | 3.2 | 0.72 | 0.44 | 0.46 |
| PK0707-331K-□□ | 330 | 20 | 796KHz | 2.5 | 1.10 | 0.36 | 0.37 |
| PK0707-471K-□□ | 470 | 20 | 796KHz | 2.0 | 1.70 | 0.30 | 0.30 |
| PK0707-681K-□□ | 680 | 20 | 796KHz | 1.7 | 2.30 | 0.25 | 0.26 |
| PK0707-102K-□□ | 1000 | 70 | 252KHz | 1.3 | 4.30 | 0.20 | 0.19 |
| PK0707-152K-□□ | 1500 | 50 | 252KHz | 1.3 | 5.00 | 0.17 | 0.16 |
| PK0807-2R2M-□□ | 2.2 | 10 | 7.96MHz | 60 | 0.011 | 0.55 | 4.0 |
| PK0807-3R3M-□□ | 3.3 | 10 | 7.96MHz | 38 | 0.013 | 3.8 | 3.4 |
| PK0807-4R7M-□□ | 4.7 | 10 | 7.96MHz | 30 | 0.017 | 3.7 | 3.0 |
| PK0807-6R8M-□□ | 6.8 | 10 | 7.96MHz | 24 | 0.023 | 2.8 | 2.6 |
| PK0807-100K-□□ | 10 | 20 | 2.52MHz | 19 | 0.031 | 2.5 | 2.2 |
| PK0807-150K-□□ | 15 | 20 | 2.52MHz | 15 | 0.042 | 2.0 | 1.9 |
| PK0807-220K-□□ | 22 | 20 | 2.52MHz | 12 | 0.070 | 1.6 | 1.5 |
| PK0807-330K-□□ | 33 | 20 | 2.52MHz | 10 | 0.092 | 1.3 | 1.2 |
| PK0807-470K-□□ | 47 | 20 | 2.52MHz | 8.2 | 0.130 | 1.1 | 1.0 |
| PK0807-680K-□□ | 68 | 20 | 2.52MHz | 6.6 | 0.160 | 0.91 | 0.97 |
| PK0807-101K-□□ | 100 | 15 | 796KHz | 5.4 | 0.230 | 0.75 | 0.81 |
| PK0807-151K-□□ | 150 | 15 | 796KHz | 4.3 | 0.400 | 0.61 | 0.61 |
| PK0807-221K-□□ | 220 | 15 | 796KHz | 3.5 | 0.530 | 0.50 | 0.53 |
| PK0807-331K-□□ | 330 | 15 | 796KHz | 2.8 | 0.780 | 0.41 | 0.44 |
| PK0807-471K-□□ | 470 | 10 | 796KHz | 2.3 | 1.0 | 0.34 | 0.39 |
| PK0807-681K-□□ | 680 | 10 | 796KHz | 1.9 | 1.5 | 0.28 | 0.32 |
| PK0807-102K-□□ | 1000 | 20 | 252KHz | 1.5 | 2.2 | 0.23 | 0.26 |
| PK0807-152K-□□ | 1500 | 30 | 252KHz | 1.2 | 3.5 | 0.18 | 0.21 |

NOTE: Saturation Current(Isat) : the value of inductance decrease within 10%.

Temperature Rise Current(Irms) : Temperature rise of core surface within 20°C.


PK0810 TYPE

| Part No. | L @1kHz (uH) | Q Min. | L / Q Test Freq. | SRF (MHz) Min. | DCR (Ω) Max. | Rated Current (mA) Max. |
|----------------|--------------------|-----------|------------------------|----------------------|--------------------|-------------------------------|
| PK0810-3R3M-□□ | 3.3 | 30 | 7.96MHz | 65 | 0.012 | 5000 |
| PK0810-3R9K-□□ | 3.9 | 30 | 7.96MHz | 55 | 0.014 | 4600 |
| PK0810-4R7K-□□ | 4.7 | 30 | 7.96MHz | 45 | 0.016 | 4300 |
| PK0810-5R6K-□□ | 5.6 | 30 | 7.96MHz | 38 | 0.020 | 3900 |
| PK0810-6R8K-□□ | 6.8 | 30 | 7.96MHz | 27 | 0.022 | 3700 |
| PK0810-8R2K-□□ | 8.2 | 30 | 7.96MHz | 21 | 0.024 | 3500 |
| PK0810-100K-□□ | 10 | 50 | 2.52MHz | 17 | 0.025 | 3200 |
| PK0810-120K-□□ | 12 | 50 | 2.52MHz | 15 | 0.027 | 3000 |
| PK0810-150K-□□ | 15 | 50 | 2.52MHz | 13 | 0.033 | 2800 |
| PK0810-180K-□□ | 18 | 50 | 2.52MHz | 12 | 0.039 | 2600 |
| PK0810-220K-□□ | 22 | 50 | 2.52MHz | 11 | 0.047 | 2400 |
| PK0810-270K-□□ | 27 | 50 | 2.52MHz | 10 | 0.052 | 2100 |
| PK0810-330K-□□ | 33 | 50 | 2.52MHz | 8.5 | 0.075 | 1900 |
| PK0810-390K-□□ | 39 | 40 | 2.52MHz | 7.7 | 0.082 | 1700 |
| PK0810-470K-□□ | 47 | 40 | 2.52MHz | 6.7 | 0.10 | 1500 |
| PK0810-560K-□□ | 56 | 40 | 2.52MHz | 6.4 | 0.15 | 1300 |
| PK0810-680K-□□ | 68 | 30 | 2.52MHz | 5.8 | 0.18 | 1200 |
| PK0810-820K-□□ | 82 | 30 | 2.52MHz | 5.2 | 0.20 | 1100 |
| PK0810-101K-□□ | 100 | 30 | 796kHz | 4.4 | 0.20 | 900 |
| PK0810-121K-□□ | 120 | 30 | 796kHz | 4.2 | 0.22 | 800 |
| PK0810-151K-□□ | 150 | 30 | 796kHz | 3.7 | 0.24 | 7200 |
| PK0810-181K-□□ | 180 | 30 | 796kHz | 3.5 | 0.28 | 6500 |
| PK0810-221K-□□ | 220 | 20 | 796kHz | 3.3 | 0.35 | 600 |
| PK0810-271K-□□ | 270 | 20 | 796kHz | 2.9 | 0.40 | 550 |
| PK0810-331K-□□ | 330 | 20 | 796kHz | 2.6 | 0.47 | 500 |
| PK0810-391K-□□ | 390 | 20 | 796kHz | 2.4 | 0.68 | 460 |
| PK0810-471K-□□ | 470 | 20 | 796kHz | 2.2 | 0.80 | 420 |
| PK0810-561K-□□ | 560 | 20 | 796kHz | 2.0 | 1.0 | 380 |
| PK0810-681K-□□ | 680 | 20 | 796kHz | 1.8 | 1.2 | 350 |
| PK0810-821K-□□ | 820 | 20 | 796kHz | 1.7 | 1.5 | 310 |
| PK0810-102K-□□ | 1000 | 40 | 252kHz | 1.5 | 1.8 | 280 |
| PK0810-122K-□□ | 1200 | 40 | 252kHz | 1.4 | 2.0 | 250 |
| PK0810-152K-□□ | 1500 | 40 | 252kHz | 1.3 | 2.4 | 230 |
| PK0810-182K-□□ | 1800 | 40 | 252kHz | 1.1 | 2.8 | 210 |
| PK0810-222K-□□ | 2200 | 40 | 252kHz | 1.0 | 3.3 | 190 |
| PK0810-272K-□□ | 2700 | 40 | 252kHz | 0.88 | 5.0 | 170 |
| PK0810-332K-□□ | 3300 | 40 | 252kHz | 0.78 | 5.6 | 150 |
| PK0810-392K-□□ | 3900 | 40 | 252kHz | 0.72 | 6.2 | 140 |
| PK0810-472K-□□ | 4700 | 40 | 252kHz | 0.65 | 7.0 | 130 |
| PK0810-562K-□□ | 5600 | 40 | 252kHz | 0.58 | 9.1 | 120 |
| PK0810-682K-□□ | 6800 | 40 | 252kHz | 0.55 | 10 | 110 |
| PK0810-822K-□□ | 8200 | 20 | 252kHz | 0.50 | 15 | 100 |
| PK0810-103K-□□ | 10000 | 20 | 79.6kHz | 0.42 | 24 | 90 |
| PK0810-473K-□□ | 47000 | 60 | 79.6kHz | 0.20 | 80 | 40 |
| PK0810-104K-□□ | 100000 | 20 | 79.6kHz | 0.14 | 180 | 28 |


I PK1010 / 1012 series

| Part No. | L @1kHz (μ H) | Q Min. | L / Q Test Freq. | SRF (MHz) Min. | DCR (Ω) Max. | Saturation Current (A)Max. | Temperature Rise Current (A)Max. |
|----------------|--------------------------|-----------|------------------------|----------------------|-----------------------------|----------------------------------|--|
| PK1010-3R3M-□□ | 3.3 | 10 | 7.96MHz | 36 | 0.010 | 8.8 | 5.9 |
| PK1010-4R7M-□□ | 4.7 | 10 | 7.96MHz | 28 | 0.015 | 7.2 | 4.8 |
| PK1010-6R8M-□□ | 6.8 | 10 | 7.96MHz | 18 | 0.016 | 6.1 | 4.6 |
| PK1010-100M-□□ | 10 | 20 | 2.52MHz | 16 | 0.025 | 5.0 | 3.7 |
| PK1010-150M-□□ | 15 | 20 | 2.52MHz | 12 | 0.029 | 4.2 | 3.4 |
| PK1010-220K-□□ | 22 | 20 | 2.52MHz | 9.5 | 0.040 | 3.4 | 2.9 |
| PK1010-330K-□□ | 33 | 30 | 2.52MHz | 7.0 | 0.062 | 2.8 | 2.3 |
| PK1010-470K-□□ | 47 | 30 | 2.52MHz | 5.8 | 0.075 | 2.3 | 2.1 |
| PK1010-680K-□□ | 68 | 20 | 2.52MHz | 4.7 | 0.13 | 1.9 | 1.6 |
| PK1010-101K-□□ | 100 | 20 | 796kHz | 3.8 | 0.16 | 1.6 | 1.4 |
| PK1010-151K-□□ | 150 | 20 | 796kHz | 3.1 | 0.26 | 1.3 | 1.1 |
| PK1010-221K-□□ | 220 | 20 | 796kHz | 2.5 | 0.33 | 1.1 | 1.0 |
| PK1010-331K-□□ | 330 | 20 | 796kHz | 2.0 | 0.52 | 0.88 | 0.82 |
| PK1010-471K-□□ | 470 | 10 | 796kHz | 1.6 | 0.66 | 0.75 | 0.72 |
| PK1010-681K-□□ | 680 | 10 | 796kHz | 1.3 | 1.1 | 0.61 | 0.56 |
| PK1010-102K-□□ | 1000 | 20 | 252kHz | 1.1 | 1.4 | 0.51 | 0.50 |
| PK1010-152K-□□ | 1500 | 30 | 252kHz | 0.82 | 2.4 | 0.43 | 0.38 |
| PK1010-222K-□□ | 2200 | 20 | 252kHz | 0.76 | 3.2 | 0.35 | 0.33 |
| PK1010-332K-□□ | 3300 | 30 | 252kHz | 0.64 | 4.9 | 0.28 | 0.26 |
| PK1010-472K-□□ | 4700 | 30 | 252kHz | 0.54 | 7.6 | 0.24 | 0.21 |
| PK1010-682K-□□ | 6800 | 30 | 252kHz | 0.45 | 9.8 | 0.20 | 0.18 |
| PK1010-103K-□□ | 10000 | 30 | 79.6kHz | 0.38 | 18 | 0.17 | 0.14 |
| PK1010-153K-□□ | 15000 | 50 | 79.6kHz | 0.29 | 24 | 0.13 | 0.12 |
| PK1012-103K-□□ | 10000 | 100 | 79.6kHz | 0.35 | 12 | 0.18 | 0.17 |
| PK1012-123K-□□ | 12000 | 100 | 79.6kHz | 0.31 | 13 | 0.16 | 0.16 |
| PK1012-153K-□□ | 15000 | 100 | 79.6kHz | 0.28 | 18 | 0.14 | 0.14 |
| PK1012-183K-□□ | 18000 | 80 | 79.6kHz | 0.26 | 25 | 0.13 | 0.12 |
| PK1012-223K-□□ | 22000 | 80 | 79.6kHz | 0.22 | 30 | 0.12 | 0.11 |
| PK1012-273K-□□ | 27000 | 80 | 79.6kHz | 0.20 | 35 | 0.11 | 0.10 |
| PK1012-333K-□□ | 33000 | 60 | 79.6kHz | 0.19 | 40 | 0.10 | 0.090 |
| PK1012-393K-□□ | 39000 | 60 | 79.6kHz | 0.17 | 50 | 0.090 | 0.080 |
| PK1012-473K-□□ | 47000 | 60 | 79.6kHz | 0.15 | 50 | 0.080 | 0.075 |
| PK1012-563K-□□ | 56000 | 40 | 79.6kHz | 0.13 | 65 | 0.075 | 0.070 |
| PK1012-683K-□□ | 68000 | 40 | 79.6kHz | 0.12 | 70 | 0.070 | 0.065 |
| PK1012-823K-□□ | 82000 | 30 | 79.6kHz | 0.10 | 100 | 0.060 | 0.055 |
| PK1012-104K-□□ | 100000 | 30 | 79.6kHz | 0.10 | 135 | 0.055 | 0.045 |

NOTE: Saturation Current(Isat) : the value of inductance decrease within 10%.

Temperature Rise Current(Irms) : Temperature rise of core surface within 20°C.



● **PK1018 series**

| Part No. | L @1kHz (uH) | DCR (Ω) Max. | Saturation Current (A)Max. | Temperature Rise Current (A)Max. |
|----------------|--------------------|--------------------|-----------------------------------|---|
| PK1018-4R7K-□□ | 4.7 | 0.008 | 10.0 | 6.0 |
| PK1018-6R8K-□□ | 6.8 | 0.011 | 8.0 | 5.5 |
| PK1018-100K-□□ | 10 | 0.017 | 7.0 | 4.5 |
| PK1018-150K-□□ | 15 | 0.022 | 5.5 | 4.0 |
| PK1018-220K-□□ | 22 | 0.026 | 4.5 | 3.7 |
| PK1018-330K-□□ | 33 | 0.032 | 3.8 | 3.3 |
| PK1018-470K-□□ | 47 | 0.035 | 3.2 | 3.0 |
| PK1018-680K-□□ | 68 | 0.047 | 2.6 | 2.6 |
| PK1018-101K-□□ | 100 | 0.090 | 2.2 | 2.0 |
| PK1018-151K-□□ | 150 | 0.129 | 1.8 | 1.6 |
| PK1018-221K-□□ | 220 | 0.162 | 1.5 | 1.5 |
| PK1018-331K-□□ | 330 | 0.212 | 1.2 | 1.2 |
| PK1018-471K-□□ | 470 | 0.380 | 1.00 | 1.0 |
| PK1018-681K-□□ | 680 | 0.548 | 0.84 | 0.84 |
| PK1018-102K-□□ | 1000 | 0.844 | 0.66 | 0.66 |
| PK1018-152K-□□ | 1500 | 1.18 | 0.55 | 0.55 |
| PK1018-222K-□□ | 2200 | 2.00 | 0.46 | 0.44 |
| PK1018-332K-□□ | 3300 | 2.53 | 0.38 | 0.38 |
| PK1018-472K-□□ | 4700 | 3.19 | 0.32 | 0.32 |
| PK1018-682K-□□ | 6800 | 5.69 | 0.26 | 0.25 |
| PK1018-103K-□□ | 10000 | 7.30 | 0.22 | 0.22 |
| PK1018-153K-□□ | 15000 | 10.5 | 0.18 | 0.18 |
| PK1018-223K-□□ | 22000 | 21.8 | 0.14 | 0.13 |
| PK1018-333K-□□ | 33000 | 25.7 | 0.12 | 0.12 |
| PK1018-473K-□□ | 47000 | 36.1 | 0.10 | 0.10 |
| PK1018-683K-□□ | 68000 | 57.3 | 0.08 | 0.08 |
| PK1018-104K-□□ | 100000 | 89.7 | 0.06 | 0.06 |

NOTE: Saturation Current(Isat) : the value of inductance decrease within 10%.
 Temperature Rise Current(Irms) : Temperature rise of core surface within 20°C.



● **PK1213 series**

| Part No. | L @1kHz (uH) | DCR (Ω) Max. | Saturation Current (A)Max. | Temperature Rise Current (A)Max. |
|----------------|--------------------|--------------------|-----------------------------------|---|
| PK1213-100M-□□ | 10 | 0.023 | 8.0 | 5.1 |
| PK1213-150K-□□ | 15 | 0.028 | 6.5 | 4.5 |
| PK1213-220K-□□ | 22 | 0.035 | 5.5 | 4.2 |
| PK1213-330K-□□ | 33 | 0.043 | 4.5 | 3.7 |
| PK1213-470K-□□ | 47 | 0.052 | 3.6 | 3.4 |
| PK1213-680K-□□ | 68 | 0.068 | 3.1 | 3.0 |
| PK1213-101K-□□ | 100 | 0.097 | 2.6 | 2.5 |
| PK1213-151K-□□ | 150 | 0.14 | 2.1 | 2.1 |
| PK1213-221K-□□ | 220 | 0.20 | 1.7 | 1.7 |
| PK1213-331K-□□ | 330 | 0.30 | 1.4 | 1.4 |
| PK1213-471K-□□ | 470 | 0.43 | 1.10 | 1.1 |
| PK1213-681K-□□ | 680 | 0.61 | 0.95 | 0.99 |
| PK1213-102K-□□ | 1000 | 1.00 | 0.78 | 0.78 |
| PK1213-152K-□□ | 1500 | 1.30 | 0.64 | 0.68 |
| PK1213-222K-□□ | 2200 | 2.00 | 0.53 | 0.55 |
| PK1213-332K-□□ | 3300 | 3.10 | 0.43 | 0.44 |
| PK1213-472K-□□ | 4700 | 4.40 | 0.36 | 0.37 |
| PK1213-682K-□□ | 6800 | 6.50 | 0.30 | 0.30 |
| PK1213-103K-□□ | 10000 | 10.0 | 0.24 | 0.24 |

NOTE: Saturation Current(Isat) : the value of inductance decrease within 10%.

Temperature Rise Current(Irms) : Temperature rise of core surface within 20°C.

* 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.