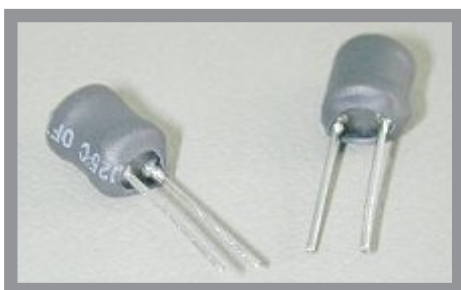


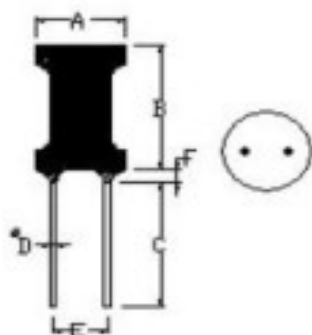
## PK series

### FEATURES

1. High rated current for high current circuits.
2. Designed by special lead wire to prevent from open circuit failure.



### DIMENSIONS



| Size | A(mm)    | B(mm)    | C(mm)  | D(mm)     | E(mm)   | F(mm)    |
|------|----------|----------|--------|-----------|---------|----------|
| 0406 | 5.5 max  | 7.5±max  | 10±min | 0.5±0.05  | 2.0±0.5 | 3.0 max. |
| 0608 | 7.5 max  | 9.5±max  | 10±min | 0.65±0.05 | 3.0±0.5 | 3.0 max. |
| 0810 | 9.5 max  | 11.5±max | 10±min | 0.65±0.05 | 5.0±0.5 | 3.0 max. |
| 0912 | 10.5 max | 13.5±max | 10±min | 0.8±0.05  | 5.0±0.5 | 3.0 max. |

### APPLICATIONS

- DC to DC converters
- Amplifiers
- Noise Filtering

### PARTNUMBER

|    |      |   |     |   |   |   |
|----|------|---|-----|---|---|---|
| PK | 0608 | — | 100 | K | F | V |
| A  | B    |   | C   | D | E | F |

A: Series  
 B: Dimension  
 C: Inductance  
 D: Inductance Tolerance K=±10%, M=±20%  
 E: Lead Free Code  
 F: ID Code



# Power Inductor

## DIP /DR Type



### PK 0406

| BW Part Number | Inductance (μH) | Percent Tolerance | RDC (Ω) max | Rated Current (A) |
|----------------|-----------------|-------------------|-------------|-------------------|
| PK 0406-100K   | 10              | 10%               | 0.058       | 3.00              |
| PK 0406-120K   | 12              | 10%               | 0.068       | 2.80              |
| PK 0406-150K   | 15              | 10%               | 0.074       | 2.50              |
| PK 0406-180K   | 18              | 10%               | 0.098       | 2.30              |
| PK 0406-220K   | 22              | 10%               | 0.106       | 2.25              |
| PK 0406-270K   | 27              | 10%               | 0.149       | 2.20              |
| PK 0406-330K   | 33              | 10%               | 0.180       | 2.00              |
| PK 0406-390K   | 39              | 10%               | 0.197       | 1.80              |
| PK 0406-470K   | 47              | 10%               | 0.218       | 1.70              |
| PK 0406-560K   | 56              | 10%               | 0.305       | 1.50              |
| PK 0406-680K   | 68              | 10%               | 0.335       | 1.40              |
| PK 0406-820K   | 82              | 10%               | 0.416       | 1.30              |
| PK 0406-101K   | 100             | 10%               | 0.538       | 1.10              |
| PK 0406-121K   | 120             | 10%               | 0.625       | 1.00              |
| PK 0406-151K   | 150             | 10%               | 0.695       | 0.90              |
| PK 0406-181K   | 180             | 10%               | 0.848       | 0.80              |
| PK 0406-221K   | 220             | 10%               | 1.188       | 0.75              |
| PK 0406-271K   | 270             | 10%               | 1.368       | 0.70              |
| PK 0406-331K   | 330             | 10%               | 1.566       | 0.67              |
| PK 0406-391K   | 390             | 10%               | 1.775       | 0.63              |
| PK 0406-471K   | 470             | 10%               | 2.952       | 0.60              |
| PK 0406-561K   | 560             | 10%               | 3.294       | 0.55              |
| PK 0406-681K   | 680             | 10%               | 4.104       | 0.50              |
| PK 0406-821K   | 820             | 10%               | 4.626       | 0.47              |
| PK 0406-102K   | 1000            | 10%               | 5.067       | 0.43              |

### PK 0608

| BW Part Number | Inductance (μH) | Percent Tolerance | RDC (Ω) max | Rated Current (A) |
|----------------|-----------------|-------------------|-------------|-------------------|
| PK 0608-6R8K   | 6.8             | 10%               | 0.048       | 4.2               |
| PK 0608-100K   | 10              | 10%               | 0.052       | 4.00              |
| PK 0608-120K   | 12              | 10%               | 0.059       | 3.80              |
| PK 0608-150K   | 15              | 10%               | 0.068       | 3.50              |
| PK 0608-180K   | 18              | 10%               | 0.124       | 3.20              |
| PK 0608-220K   | 22              | 10%               | 0.097       | 3.00              |
| PK 0608-270K   | 27              | 10%               | 0.113       | 2.70              |
| PK 0608-330K   | 33              | 10%               | 0.162       | 2.30              |
| PK 0608-390K   | 39              | 10%               | 0.164       | 2.00              |
| PK 0608-470K   | 47              | 10%               | 0.184       | 1.90              |
| PK 0608-560K   | 56              | 10%               | 0.196       | 1.80              |
| PK 0608-680K   | 68              | 10%               | 0.275       | 1.50              |
| PK 0608-820K   | 82              | 10%               | 0.313       | 1.30              |
| PK 0608-101K   | 100             | 10%               | 0.371       | 1.20              |
| PK 0608-121K   | 120             | 10%               | 0.459       | 1.00              |
| PK 0608-151K   | 150             | 10%               | 0.608       | 0.90              |
| PK 0608-181K   | 180             | 10%               | 0.680       | 0.85              |
| PK 0608-221K   | 220             | 10%               | 0.749       | 0.80              |
| PK 0608-271K   | 270             | 10%               | 1.04        | 0.70              |
| PK 0608-331K   | 330             | 10%               | 1.231       | 0.65              |
| PK 0608-391K   | 390             | 10%               | 1.532       | 0.60              |
| PK 0608-471K   | 470             | 10%               | 2.230       | 0.55              |
| PK 0608-561K   | 560             | 10%               | 2.218       | 0.40              |
| PK 0608-681K   | 680             | 10%               | 2.637       | 0.36              |
| PK 0608-821K   | 820             | 10%               | 2.992       | 0.32              |
| PK 0608-102K   | 1000            | 10%               | 4.986       | 0.28              |

## PK 0810

| BW Part Number | Inductance<br>( $\mu$ H) | Percent Tolerance | RDC ( $\Omega$ )<br>max | Rated Current<br>(A) |
|----------------|--------------------------|-------------------|-------------------------|----------------------|
| PK 0810-4R7K   | 4.7                      | 10%               | 0.023                   | 5                    |
| PK 0810-6R8K   | 6.8                      | 10%               | 0.031                   | 4.8                  |
| PK 0810-100K   | 10                       | 10%               | 0.032                   | 4.70                 |
| PK 0810-120K   | 12                       | 10%               | 0.045                   | 4.50                 |
| PK 0810-150K   | 15                       | 10%               | 0.054                   | 4.30                 |
| PK 0810-180K   | 18                       | 10%               | 0.058                   | 4.00                 |
| PK 0810-220K   | 22                       | 10%               | 0.072                   | 3.00                 |
| PK 0810-270K   | 27                       | 10%               | 0.085                   | 2.50                 |
| PK 0810-330K   | 33                       | 10%               | 0.101                   | 2.35                 |
| PK 0810-390K   | 39                       | 10%               | 0.131                   | 2.25                 |
| PK 0810-470K   | 47                       | 10%               | 0.137                   | 2.10                 |
| PK 0810-560K   | 56                       | 10%               | 0.153                   | 2.05                 |
| PK 0810-680K   | 68                       | 10%               | 0.187                   | 2.00                 |
| PK 0810-820K   | 82                       | 10%               | 0.232                   | 1.50                 |
| PK 0810-101K   | 100                      | 10%               | 0.290                   | 1.30                 |
| PK 0810-121K   | 120                      | 10%               | 0.337                   | 1.20                 |
| PK 0810-151K   | 150                      | 10%               | 0.400                   | 1.10                 |
| PK 0810-181K   | 180                      | 10%               | 0.506                   | 1.00                 |
| PK 0810-221K   | 220                      | 10%               | 0.776                   | 0.85                 |
| PK 0810-271K   | 270                      | 10%               | 0.779                   | 0.80                 |
| PK 0810-331K   | 330                      | 10%               | 0.878                   | 0.70                 |
| PK 0810-391K   | 390                      | 10%               | 1.121                   | 0.60                 |
| PK 0810-471K   | 470                      | 10%               | 1.352                   | 0.50                 |
| PK 0810-561K   | 560                      | 10%               | 1.528                   | 0.40                 |
| PK 0810-681K   | 680                      | 10%               | 1.710                   | 0.30                 |
| PK 0810-821K   | 820                      | 10%               | 2.551                   | 0.20                 |
| PK 0810-102K   | 1000                     | 10%               | 2.862                   | 0.15                 |

## PK 0912

| BW Part Number | Inductance<br>( $\mu$ H) | Percent Tolerance | RDC ( $\Omega$ )<br>max | Rated Current<br>(A) |
|----------------|--------------------------|-------------------|-------------------------|----------------------|
| PK 0912-100K   | 10                       | 10%               | 0.032                   | 5.00                 |
| PK 0912-120K   | 12                       | 10%               | 0.038                   | 4.00                 |
| PK 0912-150K   | 15                       | 10%               | 0.047                   | 3.70                 |
| PK 0912-180K   | 18                       | 10%               | 0.049                   | 3.30                 |
| PK 0912-220K   | 22                       | 10%               | 0.070                   | 3.00                 |
| PK 0912-270K   | 27                       | 10%               | 0.088                   | 2.85                 |
| PK 0912-330K   | 33                       | 10%               | 0.092                   | 2.65                 |
| PK 0912-390K   | 39                       | 10%               | 0.110                   | 2.50                 |
| PK 0912-470K   | 47                       | 10%               | 0.128                   | 2.00                 |
| PK 0912-560K   | 56                       | 10%               | 0.142                   | 1.90                 |
| PK 0912-680K   | 68                       | 10%               | 0.171                   | 1.80                 |
| PK 0912-820K   | 82                       | 10%               | 0.176                   | 1.70                 |
| PK 0912-101K   | 100                      | 10%               | 0.207                   | 1.60                 |
| PK 0912-121K   | 120                      | 10%               | 0.250                   | 1.57                 |
| PK 0912-151K   | 150                      | 10%               | 0.311                   | 1.53                 |
| PK 0912-181K   | 180                      | 10%               | 0.365                   | 1.50                 |
| PK 0912-221K   | 220                      | 10%               | 0.412                   | 1.40                 |
| PK 0912-271K   | 270                      | 10%               | 0.513                   | 1.30                 |
| PK 0912-331K   | 330                      | 10%               | 0.625                   | 1.20                 |
| PK 0912-391K   | 390                      | 10%               | 0.850                   | 1.00                 |
| PK 0912-471K   | 470                      | 10%               | 0.967                   | 0.80                 |
| PK 0912-561K   | 560                      | 10%               | 1.127                   | 0.78                 |
| PK 0912-681K   | 680                      | 10%               | 1.242                   | 0.75                 |
| PK 0912-821K   | 820                      | 10%               | 1.449                   | 0.73                 |
| PK 0912-102K   | 1000                     | 10%               | 2.209                   | 0.7                  |