keller elektronik gmbh

CHILISIN

Total Solution Provider for EMI, Power and RF


**KELLER ELEKTRONIK GMBH**
**IST OFFIZIELLER DISTRIBUTOR VON CHILISIN IN DEUTSCHLAND:**

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## SMD Type

## Power Line Application

### MPA / MPB

**Multilayer Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 160808 | 4000 |
| 201205 | 4000 |
| 201210 | 3000 |
| 201212 | 3000 |
| 201610 | 3000 |
| 252010 | 3000 |
| 252012 | 3000 |

**Rating**

**MPA201210** ±20% ; ±30%
1.0~4.7uH @1MHz

**MPA252010** ±20% ; ±30%
1.0~4.7uH @1MHz

**MPB160808** ±20% ; ±30%
1.0~2.2uH @3MHz

**MPB201205** ±20% ; ±30%
0.56~2.2uH @3MHz

**MPB201210** ±20% ; ±30%
0.56~2.2uH @3MHz

**MPB201212** ±20% ; ±30%
0.56~2.2uH @3MHz

**MPB201610** ±20% ; ±30%
0.56~2.2uH @3MHz

**MPB252010** ±20% ; ±30%
0.56~2.2uH @3MHz

**MPB252012** ±20% ; ±30%
0.56~2.2uH @3MHz

### MHCD

**Molding Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 252010 | 3000 |
| 252012 | 3000 |
| 322510 | 3000 |
| 322512 | 3000 |

**Rating**

**252010** ±20%
0.47~1.5uH @2MHz

**252012** ±20%
0.47~1.5uH @2MHz

**322510** ±30%
0.47~2.2uH @2MHz

**322512** ±30%
0.47~2.2uH @2MHz

### AME

**Molding Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 201610 | 3000 |
| 252010 | 3000 |
| 252012 | 3000 |

**Rating**

**201610** ±20% ; ±30%
0.47~2.2uH @1MHz

**252010** ±20% ; ±30%
0.47~2.2uH @1MHz

**252012** ±20% ; ±30%
0.47~4.7uH @1MHz

# SMD Type

## Power Line Application

### MHCI / MHCC

**Molding Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 04012/04015 | 2000 |
| 04020 | 2000 |
| 05012/05015 | 1000 |
| 05018/05020 | 1000 |
| 05030/06012 | 1000 |

**Rating**

**04012** ±20%
0.22~4.7uH @100KHz

**04015** ±20%
1.0~4.7uH @100KHz

**04020** ±20%
0.1~10uH @100KHz

**05012** ±20%
2.2~6.8uH @100KHz

**05015** ±20%
0.68~10uH @100KHz

**05018** ±20%
0.47~6.8uH @100KHz

**05020** ±20%
1.0~10uH @100KHz

**05030** ±20%
0.68~4.7uH @100KHz

**06012** ±20%
6.8uH @100KHz

**Molding Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 06015/06018 | 1000 |
| 06024/06030 | 1000 |
| 10030/10040 | 500 |
| 12035/12050 | 500 |
| 12060 | 500 |

**Rating**

**06015** ±20%
1.0~6.8uH @100KHz

**06018** ±20%
0.33~10uH @100KHz

**06024** ±20%
0.22~15uH @100KHz

**06030** ±20%
0.1~22uH @100KHz

**10030** ±20%
0.33~1.0uH @100KHz

**10040** ±20%
0.22~22uH @100KHz
6.8uH @1MHz

**12035** ±20%
1.0~3.3uH @100KHz

**12050** ±20%
0.47~10uH @100KHz

**12060** ±20%
10~68uH @100KHz

### MHCB

**Molding Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 06030 | 1000 |

**Rating**

**06030** ±20%
0.1~6.8uH @100KHz

### MHSC

**Molding Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 04020/06022 | 1000 |
| 06036 | 1000 |
| 08036 | 500 |

**Rating**

**04020** ±20%
0.33~0.47uH @100KHz

**06022** ±20%
0.22~2.2uH @100KHz

**06036** ±20%
0.82~10uH @100KHz

**08036** ±20%
0.22~0.33uH @100KHz



# SMD Type

## Power Line Application

### LVS

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 201610 | 2000 |
| 252010 | 2000 |
| 252012 | 2000 |
| 303010 | 2000 |
| 303012 | 2000 |
| 303015 | 2000 |
| 404012 | 1000 |

**Rating**

**201610** ±20% ; ±30%
1.0~22uH @1MHz

**252010** ±20% ; ±30%
1.0~22uH @1MHz

**252012** ±20% ; ±30%
1.0~22uH @1MHz

**303010** ±20% ; ±30%
1.0~220uH @1MHz

**303010H** ±20% ; ±30%
1.0~22uH @1MHz

**303012** ±20% ; ±30%
1.0~22uH @1MHz

**303012H** ±20% ; ±30%
1.0~22uH @1MHz

**303015** ±20% ; ±30%
1.0~10uH @1MHz

**303015H** ±20% ; ±30%
1.0~47uH @1MHz

**404012** ±20% ; ±30%
1.0~47uH @100KHz

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 404018 | 800 |
| 404026 | 500 |
| 505020 | 2000 |
| 505040 | 1500 |
| 606020 | 2000 |
| 606028 | 1500 |
| 606045 | 1000 |
| 808040 | 1000 |

**Rating**

**404018** ±20% ; ±30%
1.0~220uH @100KHz

**404026** ±20% ; ±30%
1.2~22uH @100KHz

**505020** ±20% ; ±30%
1.0~47uH @100KHz

**505040** ±20% ; ±30%
1.0~47uH @100KHz

**606020** ±20% ; ±30%
0.5~22uH @100KHz

**606028** ±20% ; ±30%
1.0~10uH @100KHz

**606045** ±20% ; ±30%
1.0~1000uH @100KHz

**606045L** ±20% ; ±30%
0.5~100uH @100KHz

**808040** ±20% ; ±30%
0.9~820uH @100KHz

**808040L** ±20% ; ±30%
1.0~22uH @100KHz

### LVF

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 201B12 | 2000 |
| 252A10 | 2000 |
| 252A12 | 2000 |
| 303010 | 2000 |
| 303012 | 2000 |
| 303015 | 2000 |
| 404012 | 1000 |
| 404015 | 1000 |

**Rating**

**201B12** ±20% ; ±30%
0.47~6.8uH @1MHz

**252A10** ±20% ; ±30%
0.47~22uH @1MHz

**252A12** ±20% ; ±30%
0.50~22uH @1MHz

**303010** ±20% ; ±30%
1.5~22uH @1MHz

**303012** ±20% ; ±30%
2.2~22uH @1MHz

**303015** ±20% ; ±30%
0.47~22uH @1MHz

**404012** ±20% ; ±30%
3.3~10uH @1MHz

**404015** ±20% ; ±30%
1.5~22uH @1MHz

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 404018 | 800 |
| 404026 | 500 |
| 505020 | 2000 |
| 606020 | 2000 |
| 606028 | 1500 |
| 808040 | 1000 |

**Rating**

**404018** ±20% ; ±30%
1.0~3.3uH @100KHz

**404026** ±20% ; ±30%
1.0~33uH @100KHz

**505020** ±20% ; ±30%
1.0~22uH @100KHz

**606020** ±20% ; ±30%
4.7~22uH @100KHz

**606028** ±20% ; ±30%
1.0~6.8uH @100KHz

**808040** ±20% ; ±30%
4.7~22uH @100KHz

## SMD Type

## Power Line Application

### LVT

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 201B10 | 2000 |
| 252A10 | 2000 |
| 252A12 | 2000 |
| 303010 | 2000 |
| 303012 | 2000 |
| 404010 | 2000 |
| 404012 | 1000 |
| 404015 | 1000 |

**Rating**

**201B10** ±20% ; ±30%
0.47uH @1MHz

**252A10** ±20% ; ±30%
0.68~6.8uH @1MHz

**252A12** ±20% ; ±30%
0.47uH @1MHz

**303010** ±20% ; ±30%
1.0~3.3uH @1MHz

**303012** ±20% ; ±30%
0.47~1.5uH @1MHz

**404012** ±20% ; ±30%
0.5~22uH @1MHz

**404015** ±20% ; ±30%
1.0~3.3uH @1MHz

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 404026 | 500 |
| 505020 | 2000 |
| 606020 | 2000 |
| 808040 | 1000 |

**Rating**

**404026** ±20% ; ±30%
0.5uH @100KHz

**505020** ±20% ; ±30%
3.3uH @100KHz

**606020** ±20% ; ±30%
1.0~6.8uH @100KHz

**808040** ±20% ; ±30%
1.0~6.8uH @100KHz

### LVC

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 201B10 | 2000 |
| 201B12 | 2000 |
| 252A12 | 2000 |
| 404018 | 800 |
| 505040 | 1500 |
| 606028 | 1500 |
| 606045 | 1000 |

**Rating**

**201B10** ±20% ; ±30%
1.0~22uH @1MHz

**201B12** ±20% ; ±30%
0.5~22uH @1MHz

**252A12** ±20% ; ±30%
0.68uH @1MHz

**404018** ±20% ; ±30%
4.7~22uH @100KHz

**505040** ±20% ; ±30%
1.0~22uH @100KHz

**606028** ±20% ; ±30%
3.3~22uH @100KHz

**606045** ±20% ; ±30%
1.0~22uH @100KHz



## SMD Type

## Power Line Application

### SFC

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 080705 | |

**Rating**

**080705** ±15%
0.1~0.22uH @100KHz

### SFD

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 100707 | 700 |

**Rating**

**100707** ±10%
0.15~0.17uH @100KHz

### SFE

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 150705 | 750 |

**Rating**

**150705** ±10%
0.12~0.15uH @100KHz

### CPUN

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0806 | 500 |
| 1009 | 400 |
| 1210 | 300 |

**Rating**

**0806** ±20%
0.33~1.2uH @100KHz

**1009** ±20%
0.56~6.8uH @100KHz

**1210** ±20%
0.22~3.3uH @100KHz

## SMD Type

## Power Line Application

### SPIA

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 3010 | 2000 |
| 3015 | 1000 |
| 3020 | 1000 |
| 4012 | 1000 |
| 4016 | 1000 |
| 4020 | 1000 |

**Rating**

**3010** ±20% ; ±30%
1.2~22uH @100KHz

**3015** ±20% ; ±30%
1.0~22uH @100KHz

**3020** ±20% ; ±30%
1.0~22uH @100KHz

**4012** ±20% ; ±30%
1.0~22uH @100KHz

**4016** ±20% ; ±30%
1.0~22uH @100KHz

**4020** ±20% ; ±30%
1.0~22uH @100KHz

### SCDS

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 2D09/2D11/2D14 | 1000 |
| 2D18/3D11/3D16 | 1000 |
| 4D18/4D28 | 2000 |
| 4D40/6D38 | 1000 |
| 5D18/5D28/6D28 | 1500 |
| 8D43 | 1000 |

**Rating**

**2D09**
±30%
1.2~33uH

**2D11**
±30%
1.5~22uH

**2D14**
±30%
0.47~12uH

**2D18LD**
±30%
2.2~47uH

**2D18HP**
±30%
1.5~22uH

**3D11**
±30%
2.7~39uH

**3D11HP**
±30%
0.47~47uH

**3D16**
±30%
1.5~220uH

**3D28**
±30%
1.0~47uH

**3D28LD**
±30%
10~220uH

**4D18**
±30%
1.0~150uH

**4D28**
±30%
1.2~680uH

**4D40**
±30%
2.2~22uH

**5D18**
±30%
1.0~100uH

**5D28**
±30%
1.0~560uH

**6D28**
±30%
1.0~220uH

**6D38**
±30%
2.2~560uH

**8D43**
±30%
3.3~68uH

### SCDS

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 62 | 1500 |
| 64/74 | 1000 |
| 103R/104R | 1000 |
| 73 | 1600 |
| 105R/124/127 | 500 |
| 125 | 600 |

**Rating**

**62**
±20%
2.9~330uH

**64**
±20%
1.0~1000uH

**73**
±20%
1.5~1000uH

**74**
±20%
1.5~1000uH

**124**
±20%
3.3~330uH

**125**
±20%
3.3~1000uH

**127**
±20%
1.2~1000uH

**103R**
±30%
4.7~33uH

**104R**
±30%
1.0~470uH

**105R**
±30%
0.8~1000uH



## SMD Type

## Power Line Application

### SLPS

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 4018 | 1000 |
| 4025 | 800 |
| 5020 | 2000 |

**Rating**

**4018** ±20% ; ±30%
1.0~22uH @100KHz

**4025** ±20% ; ±30%
2.2~47uH @100KHz

**5020** ±20% ; ±30%
1.0~47uH @100KHz

### SCPS

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0725 | 1500 |
| 0740 | 1000 |

**Rating**

**0725** ±20% ; ±30%
1.0~47uH @100KHz

**0740** ±20% ; ±30%
1.0~150uH @100KHz

### SDS

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0402 | 750/2500 |
| 0804 | 1000 |
| 1306 | 250 |

**Rating**

**0402** ±20%
1.0~10000uH @100KHz

**0804** ± 20%
1.0~1000uH @100KHz

**1306** ± 20%
10~1000uH @100KHz

### SLF

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0628~0745 | 1000 |
| 0755 | 900 |
| 1045~1265 | 500 |
| 1275 | 350 |

**Rating**

**0628**
±20%
4.7~100uH

**0728**
±20%
2.2~47uH

**0730**
±20%
3.3~100uH

**0732**
±20%
2.2~1000uH

**0745**
±20%
3.3~1000uH

**0755**
±20%
1.5~47uH

**1045**
±20%
4.7~1500uH

**1055**
±20%
10~33uH

**1255**
±20%
6.0~1500uH

**1265**
±20%
2.0~220uH

**1275**
±20%
1.2~330uH

# SMD Type

## Power Line Application

### SDT

**Shielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0402 | 750/2500 |
| 0804 | 750 |

**Rating**

**0402** ±20%
1.0~1000uH @100KHz

**0804** ±20%
1.0~1000uH @100KHz

### SCD

**Unshielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 03011/03015 | 3000 |
| 03021 | 3000 |
| 0403/0501 | 2000 |
| 0502/0503 | 2000 |

**Rating**

**03011** ±20%
1.0~820uH @100KHz

**03015** ±20%
2.2~100uH @1MHz

**03021** ±10% ; ±20%
1.0~8.2uH @7.96MHz
10~82uH @2.52MHz
100~560uH @1KHz

**0403** ±10% ; ±20%
1.0~8.2uH @7.96MHz
10~82uH @2.52MHz
100~330uH @1KHz

**0501** ±10% ; ±20%
1.0~8.2uH @7.96MHz
10~82uH @2.52MHz
100~1000uH @1KHz

**0502** ±10% ; ±20%
1.0~8.2uH @7.96MHz
10~82uH @2.52MHz
100~1000uH @1KHz

**0503** ±10% ; ±20%
1.0~8.2uH @7.96MHz
10~82uH @2.52MHz
100~1000uH @1KHz

### SCD

**Unshielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0504 | 1500 |
| 0703 | 1000 |
| 0705/1004 | 700 |
| 1005/1006 | 700 |
| 1307 | 500 |

**Rating**

**0504** ±10% ; ±20%
1.8~8.2uH @7.96MHz
10~82uH @2.52MHz
100~1000uH @1KHz

**0703** ±10% ; ±20%
2.2~8.2uH @7.96MHz
10~82uH @2.52MHz
100~560uH @1KHz

**0705** ±10% ; ±20%
1.4~8.2uH @7.96MHz
10~82uH @2.52MHz
100~560uH @1KHz

**1004** ±10% ; ±20%
3.8~8.2uH @7.96MHz
10~82uH @2.52MHz
100~560uH @1KHz

**1005** ±10% ; ±20%
3.3~8.2uH @7.96MHz
10~82uH @2.52MHz
100~1000uH @1KHz

**1006** ±10% ; ±20%
470~8200uH @1KHz

**1307** ±20%
1.5~1000uH @100KHz

### SSL

**Unshielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 04LP | 1000/3500 |
| 0400 | 1000/3500 |
| 0402 | 750/2500 |
| 0614 | 2500 |
| 0802 | 1000 |
| 0804 | 750 |
| 0810 | 225 |
| 1306 | 250 |

**Rating**

**04LP** ±20%
1.2~330uH @100KHz

**0400** ±20%
1.0~1000uH @100KHz

**0402** ±20%
1.0~1000uH @100KHz

**0614** ±20%
4.7~1000uH @100KHz

**0802** ±20%
10~1000uH @100KHz

**0804** ±20%
1.0~1500uH @100KHz

**0810** ±20%
3.3~1000uH @100KHz

**1306** ±20%
1.0~1000uH @100KHz



# SMD Type

## Power Line Application

### SSL-HC

**Unshielded Power Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0503 | 1000 |
| 0804 | 700 |
| 1306 | 250 |

**Rating**

**0503** ±20%
0.56~47uH @100KHz

**0804** ±20%
3.3~100uH @100KHz

**1306** ±20%
0.78~68uH @100KHz

## For High Frequency Application

### TFL

**Thin Film Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0603 | 15000 |

**Rating**

**0603**
±0.1nH ; ±0.2nH ; ±0.3nH ; ±3% ; ±5%
0.6~22nH @500MHz

### CHQ

**Multilayer Ceramic Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0603 | 15000 |

**Rating**

**0603**
±0.1nH ; ±0.2nH ; ±0.3nH ; ±3% ; ±5%
0.6~22nH @500MHz

### CLH

**Multilayer Ceramic Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0603 | 15000 |
| 1005 | 10000 |
| 1608 | 4000 |
| 2012 | 4000 |

**Rating**

**0603**
±0.3nH ; ±5% ; ±10%
1.0~100nH @100MHz

**1005-S**
±0.3nH ; ±5% ; ±10%
1.0~100nH @100MHz

**1005-H**
±0.3nH ; ±5% ; ±10%
0.3~270nH @100MHz

**1005-NP**
±0.3nH ; ±5% ; ±10%
0.3~82nH @100MHz

**1608**
±0.3nH ; ±5% ; ±10%
1.0~100nH @100MHz
120~390nH @50MHz

**2012**
±0.3nH ; ±5% ; ±10%
1.0~100nH @100MHz
120~470nH @50MHz

**Remark :**
1005-S/1005-NP/1608-S : With one side mark
0603-F/1005-H/1608-H : With half side mark
2012-S : White

## SMD Type

## For High Frequency Application

### CM

**Wire Wound Ceramic Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0302 | 4000 |
| 0402 | 4000 |
| 0603 | 4000 |

**Rating**

**0302**
± 0.2nH ; ± 0.5nH ; ± 3% ; ± 5%

| | |
|---|---|
| 1.1~33nH | @100MHz |

**0402**
± 0.1nH ; ± 0.2nH ; ± 0.5nH ; ± 2% ; ± 3% ; ± 5%

| | |
|---|---|
| 1.5~120nH | @100MHz |

**0603**
± 0.2nH ; ± 0.5nH ; ± 2% ; ± 5%

| | |
|---|---|
| 2.2~470nH | @100MHz |

### CS

**Wire Wound Ceramic Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0402 | 4000 |
| 0603 | 4000 |
| 0805 | 2000 |
| 1008 | 2000 |

**Rating**

**0402**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 1.0~100nH | @250MHz |

**0603**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 1.6~43nH | @250MHz |
| 47~68nH | @200MHz |
| 72~150nH | @150MHz |
| 180~560nH | @100MHz |

**0805**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 2.8~39nH | @250MHz |
| 43~68nH | @200MHz |
| 82~120nH | @150MHz |
| 150~390nH | @100MHz |
| 470nH | @50MHz |
| 560~1000nH | @25MHz |
| 1200nH | @7.9MHz |

**1008**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 10~82nH | @50MHz |
| 100~1000nH | @25MHz |
| 1200~8200nH | @7.9MHz |
| 10000~15000nH | @2.52MHz |

### LCN

**Wire Wound Ceramic Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0603 | 4000 |
| 0805 | 2500 |
| 1008 | 2000 |
| 1206 | 2000 |

**Rating**

**0603**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 1.6~43nH | @250MHz |
| 47~68nH | @200MHz |
| 72~150nH | @150MHz |
| 180~270nH | @100MHz |

**0805**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 2.8~39nH | @250MHz |
| 43~68nH | @200MHz |
| 82~120nH | @150MHz |
| 150~390nH | @100MHz |
| 470nH | @50MHz |
| 560~820nH | @25MHz |

**1008**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 3.9~82nH | @50MHz |
| 100~1000nH | @25MHz |
| 1200~8200nH | @7.9MHz |
| 10000nH | @2.52MHz |

**1206**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 3.3~150nH | @100MHz |
| 180~470nH | @50MHz |
| 560~1200nH | @35MHz |



## SMD Type

## For High Frequency Application

### CT

**Wire Wound Ceramic Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0805 | 2000 |

**Rating**

**0805**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 1.8~39nH | @250MHz |
| 47~68nH | @200MHz |
| 82~270nH | @150MHz |
| 330~390nH | @100MHz |
| 470nH | @50MHz |
| 560~1000nH | @25MHz |

### HQ

**Wire Wound Ceramic Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0805 | 2000 |
| 1008 | 2000 |

**Rating**

**0805**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 2.5~39nH | @250MHz |
| 48~51nH | @200MHz |

**1008**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 4.1~100nH | @50MHz |
| 120~390nH | @25MHz |

### HC

**Wire Wound Ceramic Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0603 | 4000 |

**Rating**

**0603**
± 2% ; ± 5% ; ± 10%

| | |
|---|---|
| 1.6~24nH | @250MHz |

## SMD Type

## For General Signals / Decoupling Application

### CL

**Multilayer Ferrite Chip Inductors**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 100505 | 10000 |
| 160808 | 4000 |
| 201209 | 4000 |
| 201212 | 3000 |
| 321611 | 3000 |

**Rating**

**100505** ±10% ; ±20%
0.010~0.082uH @50MHz
0.10~0.33uH @25MHz
0.39~2.2uH @10MHz

**160808** ±10% ; ±20%
0.010~0.082uH @50MHz
0.10~0.82uH @25MHz
1.0~4.7uH @10MHz
5.6~8.2uH @4MHz
10~12uH @2MHz
15~33uH @1MHz

**201209** ±10% ; ±20%
0.022~0.082uH @50MHz
0.10~0.82uH @25MHz
1.0~2.2uH @10MHz

**201212** ±10% ; ±20%
2.7~4.7uH @10MHz
5.6~8.2uH @4MHz
10~12uH @2MHz
15~27uH @1MHz

**321611** ±10% ; ±20%
0.047~0.082uH @50MHz
0.10~0.82uH @25MHz
1.0~4.7uH @10MHz
5.6~8.2uH @4MHz
10~12uH @2MHz
15~33uH @1MHz

### NL

**Wire Wound Ferrite Chip**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 201614 | 2000 |
| 252018 | 2000 |

**Rating**

**201614** ±5% ; ±10%
0.12~0.82uH @25.2MHz
1.0~8.2uH @7.96MHz
10~33uH @2.52MHz

**252018** ±5% ; ±10%
0.005~0.10uH @100MHz
0.12~0.82uH @25.2MHz
1.0~8.2uH @7.96MHz
10~82uH @2.52MHz
100uH @0.796MHz

### NLC

**Wire Wound Ferrite Chip**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 252018 | 2000 |
| 322522 | 2000 |

**Rating**

**252018** ±5% ; ±10%
1.0~6.8uH @7.96MHz
10~47uH @2.52MHz

**322522** ±5% ; ±10%
0.47uH @25.2MHz
1.0~8.2uH @7.96MHz
10~68uH @2.52MHz
100~680uH @0.796MHz

### LD

**Wire Wound Ferrite Chip**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0805 | 2000 |

**Rating**

**0805** ±5% ; ±10%
1.0~6.8uH @7.96MHz
10~68uH @2.52MHz
100uH @1MHz



## SMD Type

## For General Signals / Decoupling Application

### LS

**Wire Wound Ferrite Chip**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0603 | 4000 |
| 0805 | 2000 |
| 1008 | 2000 |

**Rating**

**0603** ±5% ; ±10%
0.047~10uH @7.9MHz

**0805** ±5% ; ±10%
0.078~6.8uH @7.9MHz
8.2~47uH @2.5MHz

**1008** ±5% ; ±10%
1.2~15uH @7.9MHz

### PS

**Wire Wound Ferrite Chip**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 1008 | 750 |

**Rating**

**1008** ±10% ; ±20%
1.0~1000uH @100KHz

### LT

**Wire Wound Ferrite Chip**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 0805 | 2000 |
| 1210 | 2000 |

**Rating**

**0805** ±5% ; ±10%
0.12~0.82uH@25.2MHz
1.0~8.2uH @7.96MHz
10~39uH @2.52MHz

**1210** ±5% ; ±10%
1.0~8.2uH @7.96MHz
10~22uH @2.52MHz

### SQV

**Wire Wound Ferrite Chip**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 322520 | 2000 |
| 453226 | 500 |

**Rating**

**322520**
±5% ; ±10% ; ±20%
0.10~390uH @1MHz
470~560uH @1KHz

**453226**
±5% ; ±10% ; ±20%
0.10~390uH @1MHz
470~2200uH @1KHz

### SQC

**Wire Wound Ferrite Chip**

**Packaging**

| Size Code | PCS/ Reel |
|---|---|
| 321618 | 2000 |
| 322517 | 2000 |
| 322520 | 2000 |
| 453226 | 500 |
| 575047 | 1000 |

**Rating**

**321618**
±5% ; ±10% ; ±20%
0.12~100uH @1MHz

**322517**
±10% ; ±20%
2.2~100uH @1MHz

**322517HP**
±30%
0.47~47uH @1MHz

**322520**
±10% ; ±20%
0.15~390uH @1MHz
470~560uH @1KHz

**322520LT**
±10% ; ±20%
0.15~10uH @1MHz

**453226**
±5% ; ±10% ; ±20%
0.8~470uH @1MHz
560~1500uH @1KHz

**575047**
±5% ; ±10% ; ±20%
0.12~68uH @1MHz
100~680uH @100KHz
1000~10000uH@10KHz

## SMD Type

## EMC (EMI / EMS) Suppression

### SBY / SBK / GBY / GBK / PBY / UPB / HPB

### Multilayer Ferrite Chip Beads

**Packaging**

| | Size Code | PCS/ Reel |
|---|---|---|
| **SBY/SBK : For General Use** | 060303(0201) | 15000 |
| **GBY/GBK : For General Use Low DCR** | 100505(0402) | 10000 |
| **PBY : For High Current Use** | 201209(0805) | 4000 |
| **UPB : For Ultra High Current Use** | 201212(0805) | 3000 |
| **HPB : For High Current Use** | 321611(1206) | 3000 |
| | 321616(1206) | 2000 |
| | 322513(1210) | 2500 |
| | 451616(1806) | 2000 |
| | 453215(1812) | 1000 |

**Rating**

**SBY060303** ±25%
10~600Ω @100MHz

**SBY100505** ±25%
10~2200Ω @100MHz

**SBK160808** ±25%
11~2700Ω @100MHz

**SBY(K)201209** ±25%
11~2700Ω @100MHz

**SBY(K)321611** ±25%
11~600Ω @100MHz
1000~1500Ω @50MHz

**SBY(K)321616** ±25%
25~70Ω @100MHz

**SBK322513** ±25%
32~120Ω @100MHz

**GBK160808** ±25%
10~1500Ω @100MHz

**GBY(K)201209** ±25%
11~2200Ω @100MHz

**Rating**

**GBY(K)321611** ±25%
32~600Ω @100MHz
1000~2000Ω @50MHz

**PBY060303** ±25%
11~240Ω @100MHz

**PBY100505** ±25%
10~1000Ω @100MHz

**PBY160808** ±25%
10~1500Ω @100MHz

**PBY201209** ±25%
10~1500Ω @100MHz

**PBY321611** ±25%
10~1500Ω @100MHz

**PBY322513** ±25%
19~120Ω @100MHz

**PBY451616** ±25%
19~190Ω @100MHz

**PBY453215** ±25%
19~150Ω @100MHz

**Rating**

**UPB160808** ±25%
60~470Ω @100MHz

**UPB201209** ±25%
60~470Ω @100MHz

**UPB201212** ±25%
60~470Ω @100MHz

**UPB321611** ±25%
60~470Ω @100MHz

**UPB451616** ±25%
60~470Ω @100MHz

**UPB453215** ±25%
60~470Ω @100MHz

**HPB160808** ±25%
60~470Ω @100MHz



## SMD Type

## EMC (EMI / EMS) Suppression

### SBJ / PBJ / NBQ / NBI / HFY / HFJ / HPY-NP / HFY-NP

### Multilayer Ferrite Chip Beads

**Packaging**

| | Size Code | PCS/ Reel |
|---|---|---|
| **SBJ : For High Speed Signals Use** | 060303(0201) | 15000 |
| **PBJ : For High Speed Low DCR** | 100505(0402) | 10000 |
| **NBQ/NBI : For High Speed Signals Use** | 160808(0603) | 4000 |
| **HFY : For GHz Band General Use** | 201209(0805) | 4000 |
| **HFJ : For GHz Band General Use** | 321611(1206) | 3000 |
| **HPY/HFY-NP : For GHz Band Low DCR** | | |

**Rating**

**SBJ060303** ±25%
10~600Ω @100MHz

**SBJ160808** ±25%
10~600Ω @100MHz

**SBJ201209** ±25%
10~600Ω @100MHz

**SBJ321611** ±25%
10~600Ω @100MHz

**PBJ160808** ±25%
10~600Ω @100MHz

**PBJ201209** ±25%
10~600Ω @100MHz

**PBJ321611** ±25%
10~600Ω @100MHz

**Rating**

**NBQ060303** ±25%
10~120Ω @100MHz

**NBQ100505** ±25%
10~600Ω @100MHz

**NBQ160808** ±25%
10~600Ω @100MHz

**NBQ201209** ±25%
10~600Ω @100MHz

**NBQ321611** ±25%
10~600Ω @100MHz

**NBI100505** ±25%
10~600Ω @100MHz

**NBI160808** ±25%
10~600Ω @100MHz

**NBI201209** ±25%
10~600Ω @100MHz

**Rating**

**HFY100505** ±25%
10~600Ω @100MHz

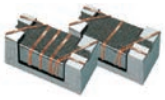
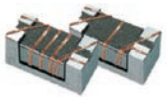
**HFY160808** ±25%
10~600Ω @100MHz

**HFJ100505** ±25%
10~600Ω @100MHz

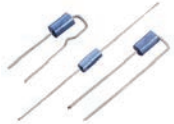
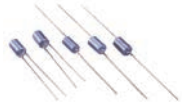
**HFJ160808** ±25%
10~600Ω @100MHz

**HPY160808-NP** ±25%
10~600Ω @100MHz

**HFY160808-NP** ±25%
10~600Ω @100MHz

| SMD Type | | | | |
|---|---|---|---|---|
| EMC (EMI / EMS) Application | EMC Application | | | |
| FB | CMF | CMMI | CMM | CMM |
| | |  | |  |
| **Shielded Beads** | **Multilayer Common Mode Filters** | **SMD Common Mode Chokes** | **SMD Common Mode Chokes** | **SMD Common Mode Chokes** |
| **Packaging**<br>Size Code PCS/ Reel<br>453226 500<br>784729 500<br>863226 500<br>423226 2400 | **Packaging**<br>Size Code PCS/ Reel<br>CMF21 4000 | **Packaging**<br>Size Code PCS/ Reel<br>CMMI21 2000 | **Packaging**<br>Size Code PCS/ Reel<br>CMM0805 2000 | **Packaging**<br>Size Code PCS/ Reel<br>CMM10 2000<br>CMM11 2000<br>CMM21 2000<br>CMM31 2000 |
| **Rating**<br>**453226**<br>$24\Omega^{-0}$ @25MHz<br>$40\Omega^{-0}$ @100MHz<br><br>**784729**<br>$48\Omega^{-0}$ @25MHz<br>$72\Omega^{-0}$ @100MHz<br><br>**863226**<br>$48\Omega^{-0}$ @25MHz<br>$72\Omega^{-0}$ @100MHz<br><br>**865626**<br>$30\Omega^{-0}$ @25MHz<br>60Ω±20% @100MHz | **Rating**<br>**CMF21** ± 20%<br>67~120Ω @100MHz | **Rating**<br>**CMMI21** ± 20%<br>50~130Ω @100MHz | **Rating**<br>**CMM0805** ± 20%<br>30~260Ω @100MHz | **Rating**<br>**CMM10** ± 20%<br>25~220Ω @100MHz<br><br>**CMM11** ± 20%<br>60~160Ω @100MHz<br><br>**CMM21** ± 20%<br>30~900Ω @100MHz<br><br>**CMM31** ± 20%<br>90~2200Ω @100MHz |



| SMD Type | | Leaded Type | |
|---|---|---|---|
| EMC Application | | EMC (EMI / EMS) Application | |
| SBCB | SBCB | RH | R6H / R8H |
| | |  |  |
| **EMI Data Line Filters** | **EMC Common Mode Chokes** | **EMI Ferrite Beads** | **EMI Ferrite Beads** |
| **Packaging**<br>Size Code PCS/ Reel<br>1104 350 | **Packaging**<br>Size Code PCS/ Reel<br>656030 1000 | | |
| **Rating**<br>**1104**<br>25~50uH @100KHz | **Rating**<br>**656030**<br>$9^{-0}$~$25^{-0}\Omega$ @10MHz<br>$60^{-0}$~$480^{-0}\Omega$ @100MHz | **Rating**<br>**RH025**<br>5~20Ω @10MHz<br>10~60Ω @100MHz<br><br>**RH035**<br>13~60Ω @10MHz<br>35~130Ω @100MHz | **Rating**<br>**BC0610R6H**<br>30~667Ω @10MHz<br>98~1000Ω @50MHz<br>127~1158Ω @100MHz<br><br>**BC0510R8H**<br>507Ω @10MHz<br>750Ω @50MHz<br>710Ω @100MHz |

## Leaded Type

### EMC Application

| BC | BCB | BCB | BCC | BCC |
|---|---|---|---|---|
| | | | | |
| **EMI Ferrite Beads** | **Data Line Filters** | **Data Line Filters** | **Data Line Filters** | **Common Mode Chokes** |
| **Rating**<br>**BC0810F6H**<br>75~175Ω @25MHz<br>100~270Ω@100MHz<br><br>**BC1010F8H**<br>75~175Ω @25MHz<br>100~270Ω@100MHz<br><br>**BC1310F10H**<br>75~175Ω @25MHz<br>100~270Ω@100MHz<br><br>**BC1105F8H**<br>$75^{-0}$Ω @25MHz<br>$100^{-0}$Ω @100MHz | **Rating**<br>**1104RI** | **Rating**<br>**1306RI** | **Rating**<br>**0403RI**<br>$5^{-0}$~80±35%uH@1KHz<br><br>**0706RI**<br>$5^{-0}$~$90^{-0}$uH @10KHz | **Rating**<br>**BCC1307RI**<br>0.6~7mH @1KHz<br><br>**BCC1608RI**<br>17.5~32.5mH |
| | Customized specifications are available | Customized specifications are available | Customized specifications are available | Customized specifications are available |



## Leaded Type

### Power Line Application

| DMI | CPU | TDH | BC | MB |
|---|---|---|---|---|
| | | | | |
| **Power Chokes** | **Power Chokes** | **Power Chokes** | **Power Chokes** | **Power Chokes** |
| **Packaging**<br>Size Code PCS/ Reel<br>0807~0809 2000<br>0909~1210 1600<br><br>**Rating**<br>**0807** ±20%<br>1uH @100KHz<br><br>**0808** ±20%<br>0.3~1.0uH @100KHz<br><br>**0809** ±20%<br>0.56~2.2uH @100KHz<br><br>**0909** ±20%<br>0.25uH @100KHz<br><br>**1009** ±20%<br>1.2uH @100KHz<br><br>**1108** ±20%<br>0.3~1.8uH @100KHz<br><br>**1109** ±20%<br>0.3~1.8uH @100KHz<br><br>**1110** ±20%<br>0.6~1.1uH @100KHz<br><br>**1208** ±20%<br>0.22~0.56uH@100KHz<br><br>**1209** ±20%<br>0.33~2.5uH @100KHz<br><br>**1210** ±20%<br>0.3~4.7uH @100KHz | **Packaging**<br>Size Code PCS/ Reel<br>0806~1008 2000<br>1009~1210 1600<br><br>**Rating**<br>**0806** ±20%<br>0.25~2.2uH @100KHz<br><br>**0808** ±20%<br>0.47~33uH @100KHz<br><br>**1008** ±20%<br>0.22~1.0uH @100KHz<br><br>**1009** ±20%<br>0.3~120uH @100KHz<br><br>**1108** ±20%<br>0.56~5.0uH @100KHz<br><br>**1208** ±20%<br>0.25~3.3uH @100KHz<br><br>**1210** ±20%<br>0.25~120uH @100KHz | **Rating**<br>**1420**<br>1.0~560uH @1KHz<br><br>**1920**<br>1.0~2200uH @1KHz<br><br>**2420**<br>1.0~4700uH @1KHz | **Rating**<br>**1005**<br>**1104**<br>**1305**<br>**1306**<br>**1506**<br>**1806**<br>**2006**<br>**2310**<br>**2711**<br>**3311** | **Rating**<br>**5026**<br>1.0~10uH @1KHz<br><br>**5052**<br>1.0~10uH @100KHz<br><br>**5018**<br>1.0~10uH @300KHz<br><br>**6052**<br>1.0~10uH @100KHz<br><br>**6018**<br>1.0~10uH @300KHz |
| | | Customized specifications are available | Customized specifications are available | Customized specifications are available |

## Leaded Type

## Power Line Application

| SC | SL | TD | BCB |
|---|---|---|---|
| | | | |
| **Chokes** | **Chokes** | **Chokes** | **Data Line Filters** |
| **Packaging**<br>**Size Code** — **PCS/ Reel**<br>0717 — 1000<br>1126 — 400<br>1223 — 400<br><br>**Rating**<br>**0717** ±15%<br>3.9~18mH @1KHz<br><br>**1126** ±15%<br>10~1000mH @1KHz<br><br>**1223** ±15%<br>3.9~100mH @1KHz | **Rating**<br>**0609** ±10%<br>1.0~8.2uH @7.96MHz<br>10~82uH @2.52MHz<br>100~820uH @0.796MHz<br><br>**0812** ±10%<br>1.0~8.2uH @252KHz<br>10~47uH @79.6KHz<br><br>**1016** ±10%<br>4.7~22000uH @1KHz | **TC**<br> <br> <br> | **Rating**<br>**BCB0401RI**<br>4.7±50% ~ 56±35%uH<br>@100KHz |
| | Customized specifications are available | Customized specifications are available | Customized specifications are available |



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