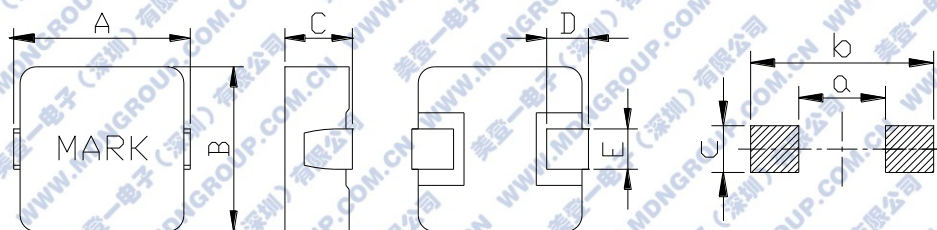


**SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感****HPB- C 系列****FEATURES**

- Magnetically shielded and molded type inductor, possible to decrease noise.
- Carbonyl iron powder core.
- Very high DC saturation current.
- Low core loss and very low DC resistance.
- Molded construction to be excellent identically performance and machnical strength.
- Suitable for surface mount equipment.

**APPLICATIONS**

- Suitable as circuit for digital amp, Motherboard for panel computer and notebook computer DC/DC converter, etc.

**SHAPES AND DIMENSIONS (mm)****特 征**

- 磁屏蔽一体成型电感，可有效防止噪音；
- 羰基铁粉材质
- 超高饱和电流；
- 低损耗及超低直流电阻。
- 一体成型结构具优秀一致性和机械强度。
- 适合表面贴装。

**用 途**

- 适用于数字功放电路，平板电脑及笔记本电脑主板及显卡 DC/DC 转换器等。

| TYPE      | A        | B        | C(Max) | D       | E           | a(Ref.) | b(Ref.) | C(Ref.) |
|-----------|----------|----------|--------|---------|-------------|---------|---------|---------|
| HPB0320C- | 3.4±0.4  | 3.4±0.4  | 2.0    | 0.7±0.3 | 1.2±0.3     | 1.9     | 4.1     | 1.45    |
| HPB0420C- | 4.4±0.4  | 4.2±0.4  | 2.0    | 0.8±0.3 | 2.0±0.3     | 2.2     | 5.2     | 2.5     |
| HPB0520C- | 5.7±0.5  | 5.2±0.5  | 2.0    | 1.2±0.3 | 2.0±0.3     | 2.2     | 6.0     | 2.5     |
| HPB0530C- | 5.7±0.5  | 5.2±0.5  | 3.0    | 1.2±0.3 | 2.0±0.3     | 2.2     | 6.0     | 2.5     |
| HPB0618C- | 7.3±0.5  | 6.6±0.5  | 1.8    | 1.6±0.3 | 3.0±0.3     | 3.7     | 8.4     | 3.5     |
| HPB0624C- | 7.3±0.5  | 6.6±0.5  | 2.4    | 1.6±0.3 | 3.0±0.3     | 3.7     | 8.4     | 3.5     |
| HPB0630C- | 7.3±0.5  | 6.6±0.5  | 3.0    | 1.6±0.3 | 3.0±0.3     | 3.7     | 8.4     | 3.5     |
| HPB0650C- | 7.3±0.5  | 6.6±0.5  | 5.0    | 1.6±0.3 | 3.0±0.3     | 3.7     | 8.4     | 3.5     |
| HPB1030C- | 11±0.8   | 10±0.5   | 3.0    | 2.0±0.5 | 3.0±0.5     | 5.4     | 13.6    | 4.1     |
| HPB1040C- | 11±0.8   | 10±0.5   | 4.0    | 2.0±0.5 | 3.0±0.5     | 5.4     | 13.6    | 4.1     |
| HPB1235C- | 13.5±0.8 | 12.6±0.5 | 3.5    | 2.2±0.5 | 3.8/4.7±0.5 | 8.0     | 14.2    | 5.0     |
| HPB1250C- | 13.5±0.8 | 12.6±0.5 | 5.0    | 2.2±0.5 | 3.8/4.7±0.5 | 8.0     | 14.2    | 5.0     |
| HPB1260C- | 13.5±0.8 | 12.6±0.5 | 6.0    | 2.2±0.5 | 3.8/4.7±0.5 | 8.0     | 14.2    | 5.0     |
| HPB1265C- | 13.5±0.8 | 12.6±0.5 | 6.5    | 2.2±0.5 | 3.8/4.7±0.5 | 8.0     | 14.2    | 5.0     |
| HPB1770C- | 17.5±1.0 | 17.0±0.8 | 7.0    | 2.5±0.2 | 12.0±0.5    | 11.2    | 18.2    | 12.8    |



**SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感****HPB-C 系列****HPB0320C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>±20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|--------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R33M | 0.33                                       | 21                              | 10                                                                           | 8                                                                          |
| R47M | 0.47                                       | 23                              | 9                                                                            | 7                                                                          |
| R68M | 0.68                                       | 29                              | 7                                                                            | 5.5                                                                        |
| 1R0M | 1.0                                        | 38                              | 5                                                                            | 4                                                                          |
| 1R5M | 1.5                                        | 50                              | 4                                                                            | 3.8                                                                        |
| 2R2M | 2.2                                        | 75                              | 3.7                                                                          | 3.5                                                                        |
| 3R3M | 3.3                                        | 145                             | 3.5                                                                          | 3                                                                          |
| 4R7M | 4.7                                        | 200                             | 3                                                                            | 2.6                                                                        |
| 5R6M | 5.6                                        | 238                             | 2.6                                                                          | 2.2                                                                        |
| 6R8M | 6.8                                        | 300                             | 2.2                                                                          | 1.9                                                                        |
| 8R2M | 8.2                                        | 390                             | 1.9                                                                          | 1.6                                                                        |
| 100M | 10                                         | 422                             | 1.6                                                                          | 1.4                                                                        |

**HPB0420C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>±20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|--------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R33M | 0.33                                       | 8.6                             | 18                                                                           | 10                                                                         |
| R47M | 0.47                                       | 14                              | 12                                                                           | 8                                                                          |
| R68M | 0.68                                       | 19                              | 10                                                                           | 7                                                                          |
| 1R0M | 1.0                                        | 27                              | 8.5                                                                          | 5                                                                          |
| 1R5M | 1.5                                        | 42                              | 7                                                                            | 4.5                                                                        |
| 2R2M | 2.2                                        | 61                              | 6                                                                            | 4                                                                          |
| 3R3M | 3.3                                        | 76                              | 4                                                                            | 3.5                                                                        |
| 4R7M | 4.7                                        | 105                             | 3.5                                                                          | 2.6                                                                        |
| 6R8M | 6.8                                        | 172                             | 2.8                                                                          | 2.1                                                                        |
| 100M | 10                                         | 243                             | 2.3                                                                          | 1.8                                                                        |



**SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感****HPB-C 系列****HPB0520C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R10M | 0.10                                        | 4.0                             | 45                                                                           | 18                                                                         |
| R12M | 0.15                                        | 4.6                             | 27                                                                           | 16                                                                         |
| R22M | 0.22                                        | 5.5                             | 25                                                                           | 15                                                                         |
| R33M | 0.33                                        | 7.3                             | 21.3                                                                         | 12                                                                         |
| R47M | 0.47                                        | 8.6                             | 18                                                                           | 11.5                                                                       |
| R68M | 0.68                                        | 13                              | 12.8                                                                         | 10                                                                         |
| 1R0M | 1.0                                         | 20                              | 13.7                                                                         | 7                                                                          |
| 1R5M | 1.5                                         | 31                              | 9.8                                                                          | 5.5                                                                        |
| 2R2M | 2.2                                         | 50                              | 9                                                                            | 4.2                                                                        |
| 3R3M | 3.3                                         | 76                              | 7.3                                                                          | 3.3                                                                        |
| 4R7M | 4.7                                         | 116                             | 5                                                                            | 2.8                                                                        |
| 6R8M | 6.8                                         | 150                             | 3.8                                                                          | 2.4                                                                        |
| 8R2M | 8.2                                         | 171                             | 3.5                                                                          | 2.3                                                                        |
| 100M | 10                                          | 199                             | 3.4                                                                          | 2.3                                                                        |
| 150M | 15                                          | 270                             | 2.8                                                                          | 1.9                                                                        |
| 220M | 22                                          | 390                             | 1.8                                                                          | 1.5                                                                        |

**HPB0530C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R22M | 0.22                                        | 4.4                             | 21                                                                           | 15.5                                                                       |
| R33M | 0.33                                        | 5.0                             | 18                                                                           | 14                                                                         |
| R47M | 0.47                                        | 7.4                             | 16                                                                           | 12                                                                         |
| R68M | 0.68                                        | 12                              | 14                                                                           | 8.5                                                                        |
| R82M | 0.82                                        | 13                              | 12.5                                                                         | 8                                                                          |
| 1R0M | 1.0                                         | 14                              | 11                                                                           | 7                                                                          |
| 1R5M | 1.5                                         | 25                              | 10                                                                           | 6                                                                          |
| 2R2M | 2.2                                         | 35                              | 9                                                                            | 5.5                                                                        |
| 3R3M | 3.3                                         | 38                              | 8                                                                            | 5                                                                          |
| 4R7M | 4.7                                         | 53                              | 6                                                                            | 4.6                                                                        |
| 5R6M | 5.6                                         | 63                              | 4.5                                                                          | 4.25                                                                       |
| 6R8M | 6.8                                         | 76                              | 4.3                                                                          | 4                                                                          |
| 100M | 10                                          | 128                             | 3.5                                                                          | 2.75                                                                       |
| 150M | 15                                          | 190                             | 2.6                                                                          | 2.1                                                                        |
| 220M | 22                                          | 250                             | 1.7                                                                          | 1.9                                                                        |



**SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感****HPB-C 系列****HPB0618C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>±20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|--------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R22M | 0.22                                       | 3.0                             | 26                                                                           | 16                                                                         |
| R33M | 0.33                                       | 5.8                             | 22                                                                           | 14                                                                         |
| R47M | 0.47                                       | 7.4                             | 18                                                                           | 12                                                                         |
| R68M | 0.68                                       | 11                              | 17                                                                           | 10                                                                         |
| R82M | 0.82                                       | 14                              | 15.5                                                                         | 8.5                                                                        |
| 1R0M | 1.0                                        | 17                              | 14                                                                           | 7                                                                          |
| 1R5M | 1.5                                        | 26                              | 13                                                                           | 6                                                                          |
| 2R2M | 2.2                                        | 35                              | 11                                                                           | 6                                                                          |
| 3R3M | 3.3                                        | 46                              | 9                                                                            | 5                                                                          |
| 4R7M | 4.7                                        | 76                              | 7                                                                            | 4                                                                          |
| 6R8M | 6.8                                        | 104                             | 5.5                                                                          | 3                                                                          |
| 100M | 10                                         | 160                             | 3.5                                                                          | 2.3                                                                        |

**HPB0624C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>±20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|--------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R15M | 0.15                                       | 2.3                             | 45                                                                           | 30                                                                         |
| R22M | 0.22                                       | 3.2                             | 34                                                                           | 21                                                                         |
| R33M | 0.33                                       | 4.4                             | 30                                                                           | 18                                                                         |
| R47M | 0.47                                       | 5.1                             | 26                                                                           | 15                                                                         |
| R68M | 0.68                                       | 7.2                             | 21                                                                           | 13                                                                         |
| R82M | 0.82                                       | 9.5                             | 17                                                                           | 11                                                                         |
| 1R0M | 1.0                                        | 14                              | 16                                                                           | 10                                                                         |
| 1R5M | 1.5                                        | 20                              | 15                                                                           | 9                                                                          |
| 2R2M | 2.2                                        | 28                              | 14                                                                           | 7                                                                          |
| 3R3M | 3.3                                        | 39                              | 10                                                                           | 6                                                                          |
| 4R7M | 4.7                                        | 50                              | 9                                                                            | 5.5                                                                        |
| 6R8M | 6.8                                        | 72                              | 7                                                                            | 4                                                                          |
| 100M | 10                                         | 101                             | 5                                                                            | 3.2                                                                        |



## SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感

## HPB-C 系列

## HPB0630C-SERIES

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(m Ω )<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|-----------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R10N | 0.1±30%                                     | 1.7                               | 60                                                                           | 32.5                                                                       |
| R15M | 0.15                                        | 1.9                               | 45                                                                           | 27                                                                         |
| R22M | 0.22                                        | 2.8                               | 40                                                                           | 23                                                                         |
| R33M | 0.33                                        | 3.9                               | 32.0                                                                         | 20.0                                                                       |
| R47M | 0.47                                        | 4.2                               | 26.0                                                                         | 17.5                                                                       |
| R56M | 0.56                                        | 5.0                               | 25.5                                                                         | 16.5                                                                       |
| R68M | 0.68                                        | 5.5                               | 25.0                                                                         | 15.5                                                                       |
| R82M | 0.82                                        | 8                                 | 24.0                                                                         | 13.0                                                                       |
| 1R0M | 1.0                                         | 10                                | 22.0                                                                         | 11.0                                                                       |
| 1R5M | 1.5                                         | 15                                | 18.0                                                                         | 9.0                                                                        |
| 2R2M | 2.2                                         | 20                                | 14.0                                                                         | 8.0                                                                        |
| 3R3M | 3.3                                         | 30                                | 13.5                                                                         | 6.0                                                                        |
| 4R7M | 4.7                                         | 40                                | 10.0                                                                         | 5.5                                                                        |
| 5R6M | 5.6                                         | 48                                | 9.0                                                                          | 5.0                                                                        |
| 6R8M | 6.8                                         | 60                                | 8.0                                                                          | 4.5                                                                        |
| 8R2M | 8.2                                         | 68                                | 7.5                                                                          | 4.0                                                                        |
| 100M | 10                                          | 85                                | 6.0                                                                          | 3.5                                                                        |
| 150M | 15                                          | 123                               | 4                                                                            | 3                                                                          |
| 220M | 22                                          | 190                               | 3.5                                                                          | 2                                                                          |
| 330M | 33                                          | 240                               | 2.5                                                                          | 2                                                                          |
| 470M | 47                                          | 363                               | 2                                                                            | 1.75                                                                       |

## HPB0650C-SERIES

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(m Ω )<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|-----------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R22M | 0.22                                        | 1.9                               | 35                                                                           | 25                                                                         |
| R33M | 0.33                                        | 3.0                               | 32                                                                           | 25                                                                         |
| R47M | 0.47                                        | 3.9                               | 30                                                                           | 22                                                                         |
| R68M | 0.68                                        | 4.5                               | 24                                                                           | 18                                                                         |
| R82M | 0.82                                        | 4.9                               | 22                                                                           | 16.5                                                                       |
| 1R0M | 1.0                                         | 6.5                               | 20                                                                           | 15                                                                         |



## SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感

## HPB-C 系列

## HPB0650C-SERIES

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(m Ω )<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|-----------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1R2M | 1.2                                         | 7.5                               | 18                                                                           | 14                                                                         |
| 1R5M | 1.5                                         | 9.0                               | 16.5                                                                         | 12                                                                         |
| 2R2M | 2.2                                         | 12                                | 14                                                                           | 10                                                                         |
| 3R3M | 3.3                                         | 21                                | 12                                                                           | 8                                                                          |
| 4R7M | 4.7                                         | 31                                | 10                                                                           | 6.5                                                                        |
| 5R6M | 5.6                                         | 49                                | 9                                                                            | 6                                                                          |
| 6R8M | 6.8                                         | 52                                | 8.5                                                                          | 5.5                                                                        |
| 8R2M | 8.2                                         | 63                                | 8                                                                            | 5                                                                          |
| 100M | 10                                          | 69                                | 7.5                                                                          | 4                                                                          |
| 150M | 15                                          | 92                                | 6                                                                            | 3.5                                                                        |
| 220M | 22                                          | 170                               | 5.5                                                                          | 2.5                                                                        |
| 330M | 33                                          | 200                               | 3.5                                                                          | 2                                                                          |

## HPB1030C-SERIES

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(m Ω )<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|-----------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1R0M | 1.0                                         | 6                                 | 20                                                                           | 15                                                                         |
| 3R3M | 3.3                                         | 16                                | 14                                                                           | 9                                                                          |
| 4R7M | 4.7                                         | 23                                | 13                                                                           | 7                                                                          |
| 100M | 10                                          | 55                                | 8                                                                            | 5                                                                          |

## HPB1040C-SERIES

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(m Ω )<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|-----------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R15M | 0.15                                        | 0.65                              | 90                                                                           | 48                                                                         |
| R22M | 0.22                                        | 1.0                               | 60                                                                           | 35                                                                         |
| R33M | 0.33                                        | 1.2                               | 60                                                                           | 31                                                                         |
| R36M | 0.36                                        | 1.2                               | 60                                                                           | 31                                                                         |
| R45M | 0.45                                        | 1.5                               | 45                                                                           | 29                                                                         |
| R47M | 0.47                                        | 1.5                               | 43                                                                           | 28                                                                         |



## SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感

## HPB-C 系列

## HPB1040C-SERIES

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R56M | 0.56                                        | 1.8                             | 40                                                                           | 25                                                                         |
| R68M | 0.68                                        | 2.7                             | 39                                                                           | 22                                                                         |
| 1R0M | 1.0                                         | 3.3                             | 36                                                                           | 18                                                                         |
| 1R5M | 1.5                                         | 4.6                             | 33                                                                           | 16                                                                         |
| 2R2M | 2.2                                         | 7.0                             | 27                                                                           | 12                                                                         |
| 3R3M | 3.3                                         | 12                              | 20                                                                           | 11                                                                         |
| 4R7M | 4.7                                         | 16                              | 17                                                                           | 10                                                                         |
| 5R6M | 5.6                                         | 20                              | 14                                                                           | 9                                                                          |
| 6R8M | 6.8                                         | 24                              | 13.5                                                                         | 8.5                                                                        |
| 100M | 10                                          | 30                              | 12                                                                           | 7.5                                                                        |
| 150M | 15                                          | 45                              | 10                                                                           | 6.25                                                                       |
| 220M | 22                                          | 74                              | 7                                                                            | 5                                                                          |
| 330M | 33                                          | 112                             | 5                                                                            | 3.5                                                                        |
| 470M | 47                                          | 167                             | 4.5                                                                          | 3                                                                          |
| 680M | 68                                          | 240                             | 3                                                                            | 2                                                                          |

## HPB1235C-SERIES

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R47M | 0.47                                        | 2.0                             | 55                                                                           | 32                                                                         |
| R68M | 0.68                                        | 2.5                             | 49                                                                           | 28                                                                         |
| R82M | 0.82                                        | 3.0                             | 44                                                                           | 25                                                                         |
| 1R0M | 1.0                                         | 3.5                             | 40                                                                           | 24                                                                         |
| 1R5M | 1.5                                         | 5.5                             | 35                                                                           | 19                                                                         |
| 2R2M | 2.2                                         | 8                               | 29                                                                           | 16                                                                         |
| 3R3M | 3.3                                         | 12                              | 27                                                                           | 12                                                                         |
| 4R7M | 4.7                                         | 18                              | 22                                                                           | 10                                                                         |
| 5R6M | 5.6                                         | 22                              | 19                                                                           | 9.5                                                                        |
| 6R8M | 6.8                                         | 24                              | 18                                                                           | 9                                                                          |
| 8R2M | 8.2                                         | 28                              | 16                                                                           | 8.5                                                                        |
| 100M | 10                                          | 34                              | 14                                                                           | 7.5                                                                        |
| 150M | 15                                          | 65                              | 10                                                                           | 6.5                                                                        |
| 220M | 22                                          | 99                              | 7                                                                            | 4.5                                                                        |
| 330M | 33                                          | 160                             | 6                                                                            | 3.5                                                                        |
| 470M | 47                                          | 218                             | 5.5                                                                          | 3                                                                          |



**SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感****HPB-C 系列****HPB1250C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(m Ω )<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|-----------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R33M | 0.33                                        | 0.9                               | 80                                                                           | 42                                                                         |
| R47M | 0.47                                        | 1.1                               | 65                                                                           | 38                                                                         |
| R56M | 0.56                                        | 1.5                               | 55                                                                           | 36                                                                         |
| R68M | 0.68                                        | 1.7                               | 54                                                                           | 34                                                                         |
| R82M | 0.82                                        | 2.1                               | 52                                                                           | 31                                                                         |
| 1R0M | 1.0                                         | 2.5                               | 50                                                                           | 29                                                                         |
| 1R5M | 1.5                                         | 3.3                               | 48                                                                           | 27                                                                         |
| 2R2M | 2.2                                         | 5.5                               | 32                                                                           | 20                                                                         |
| 3R3M | 3.3                                         | 9.2                               | 32                                                                           | 15                                                                         |
| 4R7M | 4.7                                         | 15                                | 27                                                                           | 12                                                                         |
| 5R6M | 5.6                                         | 17                                | 22                                                                           | 11.5                                                                       |
| 6R8M | 6.8                                         | 19                                | 21                                                                           | 11                                                                         |
| 8R2M | 8.2                                         | 23                                | 18                                                                           | 9.5                                                                        |
| 100M | 10                                          | 26                                | 16                                                                           | 9                                                                          |
| 150M | 15                                          | 38                                | 13                                                                           | 8.2                                                                        |
| 220M | 22                                          | 58                                | 10                                                                           | 6.5                                                                        |
| 330M | 33                                          | 88                                | 8                                                                            | 5                                                                          |

**HPB1260C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(m Ω )<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|---------------------------------------------|-----------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R47M | 0.47                                        | 1.3                               | 64                                                                           | 38                                                                         |
| R68M | 0.68                                        | 1.7                               | 57                                                                           | 33                                                                         |
| 1R0M | 1.0                                         | 2.4                               | 53                                                                           | 29                                                                         |
| 1R5M | 1.5                                         | 3.2                               | 50                                                                           | 26                                                                         |
| 2R2M | 2.2                                         | 4.7                               | 43                                                                           | 21                                                                         |
| 3R3M | 3.3                                         | 7.1                               | 35                                                                           | 17                                                                         |
| 4R7M | 4.7                                         | 12                                | 30                                                                           | 16                                                                         |
| 6R8M | 6.8                                         | 14                                | 25                                                                           | 15                                                                         |
| 8R2M | 8.2                                         | 16                                | 23                                                                           | 11                                                                         |
| 100M | 10                                          | 21                                | 21                                                                           | 11                                                                         |
| 150M | 15                                          | 29                                | 16                                                                           | 9                                                                          |



**SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感****HPB-C 系列****HPB1260C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>±20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|--------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 220M | 22                                         | 40                              | 14                                                                           | 8                                                                          |
| 330M | 33                                         | 75                              | 12                                                                           | 6                                                                          |
| 470M | 47                                         | 90                              | 11                                                                           | 5.5                                                                        |
| 680M | 68                                         | 140                             | 9                                                                            | 5                                                                          |
| 820M | 82                                         | 161                             | 8.5                                                                          | 4.5                                                                        |
| 101M | 100                                        | 200                             | 8                                                                            | 4                                                                          |
| 121M | 120                                        | 235                             | 7                                                                            | 3.5                                                                        |
| 151M | 150                                        | 350                             | 6                                                                            | 3                                                                          |

**HPB1265C-SERIES**

| P/N  | L(uH)<br>Inductance<br>100KHz/1.0V<br>±20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\%L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
|------|--------------------------------------------|---------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| R47M | 0.47                                       | 1.2                             | 63                                                                           | 41                                                                         |
| R68M | 0.68                                       | 1.5                             | 55                                                                           | 35                                                                         |
| 1R0M | 1.0                                        | 2.3                             | 48                                                                           | 30                                                                         |
| 1R5M | 1.5                                        | 3.0                             | 45                                                                           | 27                                                                         |
| 2R2M | 2.2                                        | 4.2                             | 37                                                                           | 22                                                                         |
| 3R3M | 3.3                                        | 6.8                             | 30                                                                           | 18                                                                         |
| 4R7M | 4.7                                        | 8.4                             | 28                                                                           | 13.5                                                                       |
| 6R8M | 6.8                                        | 12                              | 18                                                                           | 11.5                                                                       |
| 8R2M | 8.2                                        | 16                              | 16                                                                           | 10.5                                                                       |
| 100M | 10                                         | 18                              | 15.5                                                                         | 10                                                                         |
| 150M | 15                                         | 28                              | 13                                                                           | 9                                                                          |
| 220M | 22                                         | 37                              | 12                                                                           | 9                                                                          |
| 330M | 33                                         | 58                              | 11                                                                           | 8                                                                          |
| 470M | 47                                         | 90                              | 9.5                                                                          | 6.5                                                                        |
| 680M | 68                                         | 130                             | 7.8                                                                          | 4.8                                                                        |



## SMD MOLDING POWER INDUCTORS 一体成型贴片功率电感

## HPB-C 系列

| HPB1770C-SERIES |                                             |                                 |                                                                               |                                                                            |
|-----------------|---------------------------------------------|---------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| P/N             | L(uH)<br>Inductance<br>100KHz/1.0V<br>± 20% | DCR(mΩ)<br>DC Resistance<br>Max | Isat(A)<br>Inductance decrease current<br>@ $\Delta L \leq 30\% L(0A)$<br>Max | Idc(A)<br>Temperature rise current<br>@ $\Delta T \leq 40^{\circ}C$<br>Max |
| 1R0M            | 1.0                                         | 2.0                             | 70                                                                            | 52                                                                         |
| 1R5M            | 1.5                                         | 2.5                             | 65                                                                            | 47                                                                         |
| 2R2M            | 2.2                                         | 2.7                             | 62                                                                            | 43.5                                                                       |
| 3R3M            | 3.3                                         | 3.9                             | 54                                                                            | 28                                                                         |
| 4R7M            | 4.7                                         | 5.5                             | 50                                                                            | 25                                                                         |
| 6R8M            | 6.8                                         | 9.2                             | 39                                                                            | 19                                                                         |
| 8R2M            | 8.2                                         | 11                              | 31                                                                            | 18                                                                         |
| 100M            | 10                                          | 13                              | 29                                                                            | 16.5                                                                       |
| 150M            | 15                                          | 21                              | 27                                                                            | 12.5                                                                       |
| 220M            | 22                                          | 27                              | 23                                                                            | 12                                                                         |
| 330M            | 33                                          | 44                              | 20                                                                            | 10.7                                                                       |
| 390M            | 39                                          | 48                              | 18                                                                            | 9.2                                                                        |
| 470M            | 47                                          | 55                              | 16                                                                            | 8.7                                                                        |
| 560M            | 56                                          | 62                              | 15                                                                            | 7.8                                                                        |
| 680M            | 68                                          | 80                              | 13                                                                            | 7                                                                          |
| 100M            | 100                                         | 118                             | 12                                                                            | 5.3                                                                        |