

## Powder Molding Type

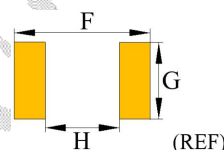
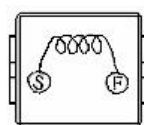
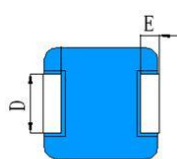
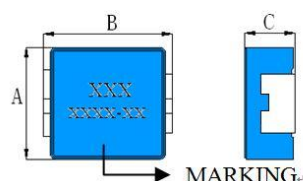
### BCIHP1030/40/50-Series

#### ● Photograph picture



BCIHP1030/40/50

#### ● Dimensions



Recommend PC Board Pattern

| ITEM               | A(mm)    | B(mm)    | C(mm)   | D(mm)    | E(mm)    | F(mm) | G(mm) | H(mm) |
|--------------------|----------|----------|---------|----------|----------|-------|-------|-------|
| BCIHP1040-Series   | 10.0±0.2 | 10.8±0.3 | 4.0 MAX | 4.10±0.3 | 2.00±0.3 | 11.80 | 4.45  | 4.60  |
| BCIHP1040HC-Series | 10.0±0.2 | 10.8±0.3 | 4.0 MAX | 4.10±0.3 | 2.00±0.3 | 11.80 | 4.45  | 4.60  |
| BCIHP1050-Series   | 10.0±0.2 | 10.8±0.3 | 5.0 MAX | 4.10±0.3 | 2.00±0.3 | 11.80 | 4.45  | 4.60  |
|                    |          |          |         |          |          |       |       |       |
|                    |          |          |         |          |          |       |       |       |
|                    |          |          |         |          |          |       |       |       |
|                    |          |          |         |          |          |       |       |       |

#### ● Part Numbering

BCIHP 1040 - 2R2 M  
A B C D

A:Series(系列代號)

B:Dimension(尺寸)

C:Inductance(電感值)

D:Inductance Tolerance(電感值公差)

A+B+C

2R2=2.2uH

M=±20% N=±30%

#### ● Features

1. 100% lead (Pb)-free.
2. Lowest DCR.
3. Frequency range up to 3.0MHz.
4. Ultra low buzz noise, due to composite construction.

#### ● Applications

1. DC/DC converter for CPU in Notebook PC
2. Battery powered devices
3. Cellular phones LCD displays, HDDs, DVCs, DSCs, PDA etc.
4. Thin type on-board power supply module.

#### ● 特點

1. 符合 RoHs.
2. 低電阻.
3. 頻率可達到 3.0 MHz.
4. 設計緊湊/超低噪音

#### ● 應用

1. 用於筆記本電腦處理器的 DC/DC 轉換設備.
2. 電源,電池設備.
3. 適用於手機液晶屏顯示,HDD, DVC, DSC, PDA 等.
4. 薄型車載電源模組.

## Powder Molding Type

### BCIHP1030/40/50-Series

#### ● Specification

| ITEM             | INDUCTANCE $\mu$ H<br>@200KHZ,0.25V,0A(1) | DCR $m\Omega$<br>25°C Typ. | DCR $m\Omega$<br>25°C MAX. | HEAT RATING<br>CURRENT DC AMPS<br>(5) TYPICAL(Irms) | SATURATION<br>CURRENT DC AMPS<br>(6) TYPICAL(Isat) |
|------------------|-------------------------------------------|----------------------------|----------------------------|-----------------------------------------------------|----------------------------------------------------|
| BCIHP1040-1R0M   | 1.00                                      | 3.80                       | 4.00                       | 18.00                                               | 36.00                                              |
| BCIHP1040-1R2M   | 1.20                                      | 4.90                       | 5.40                       | 18.0                                                | 24.00                                              |
| BCIHP1040-1R5M   | 1.50                                      | 6.00                       | 6.50                       | 16.0                                                | 20.00                                              |
| BCIHP1040-1R8M   | 1.80                                      | 7.30                       | 8.00                       | 14.0                                                | 19.00                                              |
| BCIHP1040HC-2R2M | 2.20                                      | 6.40                       | 7.00                       | 12.0                                                | 18.0                                               |
| BCIHP1040-2R5M   | 2.50                                      | 9.20                       | 9.50                       | 12.00                                               | 18.00                                              |
| BCIHP1040HC-3R0M | 3.00                                      | 10.50                      | 11.20                      | 11.50                                               | 17.00                                              |
| BCIHP1040HC-3R3M | 3.30                                      | 10.70                      | 11.80                      | 10.00                                               | 16                                                 |
| BCIHP1040HC-4R7M | 4.70                                      | 14.50                      | 16.00                      | 9.50 <sub>[1]</sub>                                 | 14.00                                              |
| BCIHP1040HC-5R6M | 5.60                                      | 20.50                      | 23.00                      | 8.00                                                | 12.00                                              |
| BCIHP1040HC-6R8M | 6.80                                      | 23.00                      | 25.00                      | 7.50                                                | 11.00                                              |
| BCIHP1040HC-8R2M | 8.20                                      | 27.10                      | 29.00                      | 7.50                                                | 9.00                                               |
| BCIHP1040HC-100M | 10.00                                     | 28.50                      | 30.00                      | 7.00                                                | 8.50                                               |
| BCIHP1040-101M   | 100.0                                     | 355.00                     | 385.00                     | 2.25                                                | 3.00                                               |
| BCIHP1040-120M   | 12.00                                     | 47.00                      | 63.00                      | 5.00                                                | 7.00                                               |
| BCIHP1040HC-150M | 15.00                                     | 52.00                      | 58.50                      | 5.00                                                | 6.00                                               |
| BCIHP1040HC-220M | 22.00                                     | 69.00                      | 85.00                      | 5.00                                                | 5.50                                               |
| BCIHP1040-330M   | 33.00                                     | 125.00                     | 150.00                     | 3.00                                                | 4.00                                               |
| BCIHP1040-470M   | 47.00                                     | 167.00                     | 185.00                     | 3.00                                                | 3.50                                               |
| BCIHP1040-680M   | 68.0                                      | 290.00                     | 340.00                     | 2.50                                                | 3.00                                               |
| BCIHP1040-R22N   | 0.22                                      | 1.35                       | 1.60                       | 31.0                                                | 55.0                                               |
| BCIHP1040-R36M   | 0.36                                      | 1.65                       | 1.80                       | 28.0                                                | 45.0                                               |
| BCIHP1040-R47M   | 0.47                                      | 1.75                       | 2.00                       | 25.0                                                | 41.0                                               |
| BCIHP1040-R50M   | 0.50                                      | 2.00                       | 2.10                       | 23.0                                                | 40.0                                               |
| BCIHP1040-R56M   | 0.56                                      | 2.35                       | 2.50                       | 22.0                                                | 40.0                                               |
| BCIHP1040-R60M   | 0.60                                      | 2.30                       | 2.65                       | 26.0                                                | 38.0                                               |
| BCIHP1040-R68M   | 0.68                                      | 2.65                       | 3.00                       | 21.0                                                | 33.0                                               |
| BCIHP1040-R82M   | 0.82                                      | 3.30                       | 3.50                       | 20.0                                                | 30.0                                               |
| BCIHP1050-1R0M   | 1.00                                      | 2.70                       | 3.50                       | 23.0                                                | 23.0                                               |
| BCIHP1050-1R5M   | 1.50                                      | 5.20                       | 6.20                       | 16.00                                               | 22.00                                              |
| BCIHP1050-2R2M   | 2.20                                      | 7.50                       | 8.30                       | 13.00                                               | 19.00                                              |
| BCIHP1050-3R3M   | 3.30                                      | 9.30                       | 10.80                      | 12.00                                               | 18.00                                              |
| BCIHP1050-4R7M   | 4.70                                      | 12.50                      | 15.00                      | 10.00                                               | 13.00                                              |
| BCIHP1050-6R8M   | 6.80                                      | 21.50                      | 24.00                      | 8.50                                                | 11.00                                              |
| BCIHP1050-8R2M   | 8.20                                      | 25.00                      | 29.00                      | 7.50                                                | 10.00                                              |
| BCIHP1050HC-100M | 10.00                                     | 27.80                      | 30.00                      | 7.50                                                | 10.0                                               |
| BCIHP1050HC-101M | 100.0                                     | 335.00                     | 385.00                     | 2.25                                                | 3.00                                               |
| BCIHP1050-150M   | 15.00                                     | 43.50                      | 52.00                      | 6.00                                                | 7.00                                               |
| BCIHP1050-220M   | 22.00                                     | 66.00                      | 92.00                      | 3.50                                                | 5.00                                               |
| BCIHP1050-330M   | 33.00                                     | 95.00                      | 110.00                     | 4.00                                                | 4.40                                               |
| BCIHP1050HC-470M | 47.00                                     | 135.00                     | 145.00                     | 3.30                                                | 3.50                                               |

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### BCIHP1030/40/50-Series

#### Note:

- (1) Tolerance of Inductance:  $N=\pm 30\%$  ,  $M=\pm 20\%$ .
- (2) All test data is referenced to 25°C ambient.
- (3) Inductance is measured at 200KHz. 25°C ambient.
- (4) Operating Temperature Range -40°C to +125°C.
- (5) DC current ( $I_{rms}$ ) (A) that will cause an approximate  $\Delta T$  of 40°C.
- (6) DC current ( $I_{sat}$ ) (A) that will cause  $L_0$  to drop approximately 20%.
- (7) The part Temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature Part temperature should be verified in the end application.
- (1) 電感的公差:  $N=\pm 30\%$ ,  $M=\pm 20\%$ .
- (2) 所有的測試資料應該是在 25°C 的環境溫度下測試.
- (3) 感值測試頻率 200KHz.
- (4) 操作溫度範圍 -40°C 到 +125°C.
- (5) 加 DC ( $I_{rms}$ ) 電流值 (A) 會導致  $\Delta T$  40°C 左右的變化.
- (6) 加 DC ( $I_{sat}$ ) 電流值 (A) 會導致初始值下降 20% 左右.
- (7) 產品的溫度不能超過 125°C, 即使在最壞的操作情況下, 基板設計, 元件放置, PWB 尺寸和厚度, 氣流和一些冷卻設備都會影響產品溫度, 產品溫度要在最終應用時才被驗證.

## Powder Molding Type

### BCIHP1030/40/50-Series

#### ● Material List

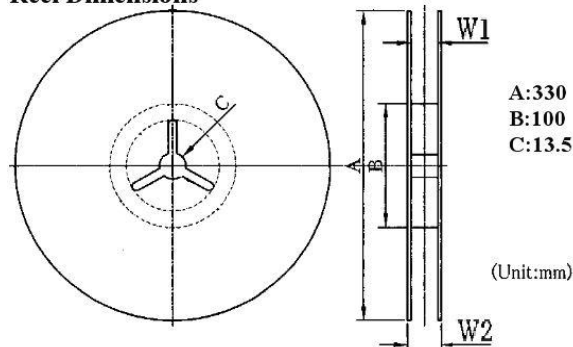


| NO | ITEM              | Materials                          |
|----|-------------------|------------------------------------|
| 1  | Core              | Magnetic Metal Powder or equivalen |
| 2  | Wire              | Polyester Wire or equivalen        |
| 3  | External Electode | Copper                             |
|    | Electroplating    | Ni/Sn                              |
| 4  | Paint             | Epoxy resin                        |

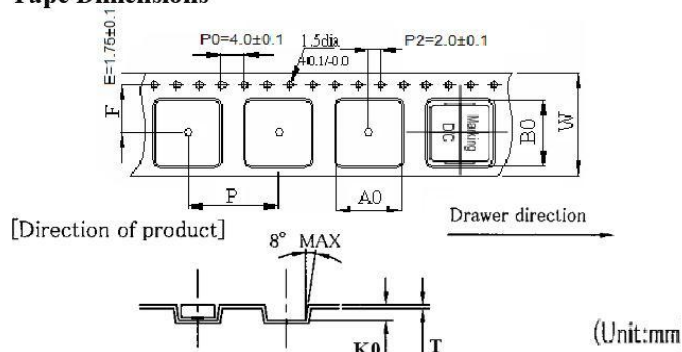
#### ● Packaging Information

##### (1) Reel Dimension & Tape Dimension / Packaging Quantity

###### Reel Dimensions

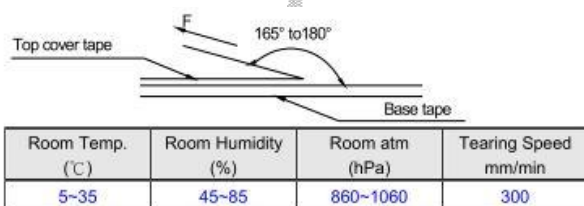


###### Tape Dimensions



| ITEM      | DIMENSIONS (m/m) |        |        |       |        |        |        |       |       |        |
|-----------|------------------|--------|--------|-------|--------|--------|--------|-------|-------|--------|
|           | Q'TY (PCS)       | W1±0.3 | W2±0.5 | W±0.3 | A0±0.1 | B0±0.1 | K0±0.1 | P±0.1 | F±0.1 | T±0.05 |
| BCIHP1030 | 800              | 24.80  | 29.00  | 24.00 | 10.50  | 11.30  | 4.50   | 16.00 | 11.50 | 0.40   |
| BCIHP1040 | 800              | 24.80  | 29.00  | 24.00 | 10.50  | 11.30  | 4.50   | 16.00 | 11.50 | 0.40   |
| BCIHP1050 | 500              | 24.80  | 29.00  | 24.00 | 11.00  | 11.90  | 5.50   | 16.00 | 11.50 | 0.40   |
|           |                  |        |        |       |        |        |        |       |       |        |
|           |                  |        |        |       |        |        |        |       |       |        |
|           |                  |        |        |       |        |        |        |       |       |        |

##### (2) Tearing Off Force



The force tearing off cover 10 to 130 grams (0.1N to 1.3N) in the arrow direction under the following conditions.

#### ● Storage conditions/Note things

##### (1) Storage temperature and humidity conditions :

1. Product packing with Carrier tape: +5°C~+40°C and less than 60% RH.
2. Product alone: -20°C~+60°C and less than 60% RH.

##### (2) Products should be used within 6 months.

##### (3) The packaging material should be kept where no chlorine or sulfur exists in the air.

##### (4) Do not touch the electrodes (soldering terminals) with fingers as this may lead to deterioration of solder ability.

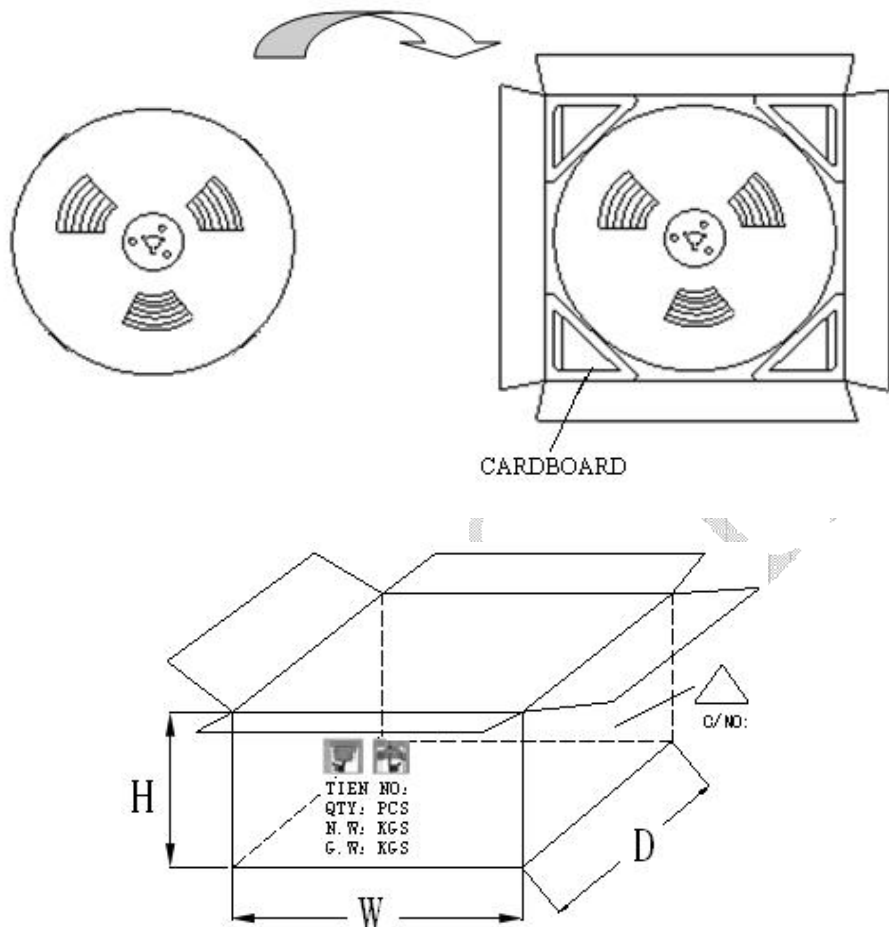
##### (5) The use of tweezers or vacuum pick-ups is strongly recommended for individual components.

##### (6) Bulk handling should ensure that abrasion and mechanical shock are minimized.

## Powder Molding Type

### BCIHP1030/40/50-Series

#### ● Package for standard

| ITEM                                                                                |                                         |               |                                          |
|-------------------------------------------------------------------------------------|-----------------------------------------|---------------|------------------------------------------|
| Packing method & Dimensions                                                         |                                         |               | Box Size                                 |
|  |                                         |               | <p>W=345mm<br/>D=345mm<br/>H=185mm</p>   |
| ITEM                                                                                | Packing Quantity                        | Reel Quantity | Total Quantity                           |
| BCIHP1030                                                                           | 800 Pcs/Reel (1.80Kg <sub>(Ref)</sub> ) | 5 Reel/Box    | 4,000 Pcs/Box (10.0Kg <sub>(Ref)</sub> ) |
| BCIHP1040                                                                           | 800 Pcs/Reel (2.20Kg <sub>(Ref)</sub> ) | 5 Reel/Box    | 4,000 Pcs/Box (12.0Kg <sub>(Ref)</sub> ) |
| BCIHP1050                                                                           | 500 Pcs/Reel (1.80Kg <sub>(Ref)</sub> ) | 5 Reel/Box    | 2,500 Pcs/Box (10.0Kg <sub>(Ref)</sub> ) |
|                                                                                     |                                         |               |                                          |
|                                                                                     |                                         |               |                                          |
|                                                                                     |                                         |               |                                          |

## Powder Molding Type

### BCIHP1030/40/50-Series

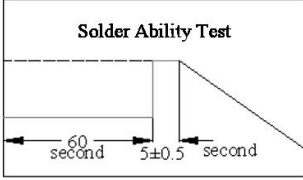
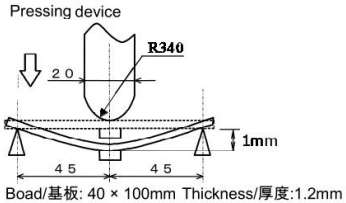
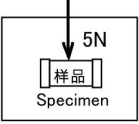
#### ● General Characteristics

Operation Temperature -40°C to +125°C (Includes temperature when the coil is heated)  
External Appearance On visual inspection, the coil has no external defects.

#### ● Electrical Performance Test

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| Inductance               | Refer to standard electrical characteristics list.   |
| DCR                      |                                                      |
| Saturation Current(Isat) | BCIHP1030/40/50-Series $\Delta L \leq 20\%$ typical. |
| Heat Rated Current(Irms) | Approximately $\Delta T \leq 40^\circ\text{C}$ .     |

#### ● Reliability Test

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solder Ability Test                      | <ol style="list-style-type: none"> <li>More than 90% of terminal electrode should be covered with solder.</li> <li>After fluxing, component shall be dipped in a melted.</li> <li>Solder: bath at <math>245^\circ\text{C} \pm 5^\circ\text{C}</math> for <math>5 \pm 0.5</math> seconds.</li> </ol>                                          |
| Heat resistance of Reflow Soldering Test | <ol style="list-style-type: none"> <li>Components should have not evidence of electrical and mechanical damage.</li> <li>Inductance: within <math>\pm 10\%</math> of initial value.</li> <li>Preheat: <math>150 \pm 5^\circ\text{C}</math> 60seconds.</li> <li>Solder temperature: <math>255 \pm 5^\circ\text{C} / -0^\circ\text{C}</math>.</li> <li>Flux: rosin.</li> <li>Dip time: <math>10 \pm 0.5</math> seconds.</li> </ol> |
| Adhesion strength Test                   | <ol style="list-style-type: none"> <li>No apparent damage</li> <li>Product is mounted on PCB. Thereafter R340 pressure fixture is used to apply pressure to product from backside of the board at a rate of approx. 1mm/sec. until bending width becomes 1mm and keep it for 5sec.</li> </ol>                                               |
| Welding strength Test                    | <ol style="list-style-type: none"> <li>No separation or indication of electrode.</li> <li>A static load using a R5.0 pressing tool shall be applied to the body of the specimen in the direction of the arrow and shall be hold for <math>3 \pm 1</math> sec.</li> </ol>                                                                    |
| Insulating Resistance                    | Over 100MΩ at 100V D.C. between coil and core.                                                                                                                                                                                                                                                                                                                                                                                   |
| Dielectric Strength                      | No dielectric breakdown at 30V D.C. for 1 minute between coil and core.                                                                                                                                                                                                                                                                                                                                                          |
| Vibration Test                           | Inductance deviation within +10% after vibration for 1 hour. In each of three orientations at Sweep vibration (10~55~10HZ) with 1.5mmP-P amplitudes.                                                                                                                                                                                                                                                                             |
| Drop Test                                | Inductance deviation within +10% after being dropped once with 981m/s <sup>2</sup> (100G) shock Attitude upon a rubber block method shock testing machine, in three different orientations.                                                                                                                                                                                                                                      |

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### BCIHP1030/40/50-Series

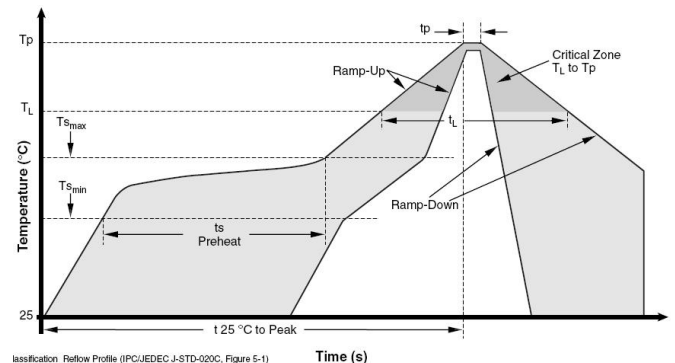
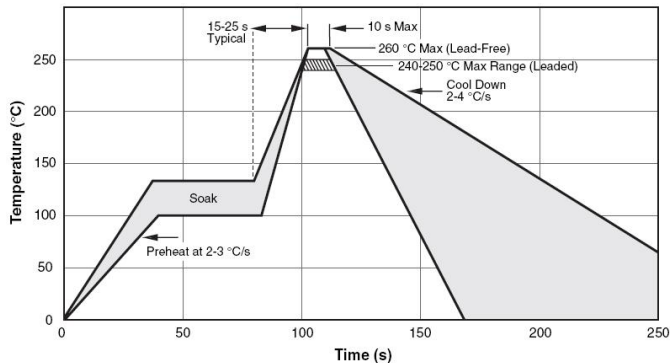
#### ● Reliability Test

| Item                           | Required Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Test Method/Condition |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| High Temperature Storage Test  | <ol style="list-style-type: none"> <li>1. No case deformation or change in appearance</li> <li>2. <math>\Delta L/L \leq 15\%</math></li> <li>3. <math>\Delta Q/Q \leq 30\%</math></li> <li>4. <math>\Delta DCR/DCR \leq 15\%</math></li> </ol> <ul style="list-style-type: none"> <li>● Temperature: <math>125^{\circ}\text{C} \pm 3^{\circ}\text{C}</math> Time: <math>96 \pm 2</math> hours.</li> <li>● Tested not less than 1 hour, nor more than 2 hours at room.</li> </ul>                                                                                   |                       |
| Low Temperature Storage Test   | <ol style="list-style-type: none"> <li>1. No case deformation or change in appearance</li> <li>2. <math>\Delta L/L \leq 15\%</math></li> <li>3. <math>\Delta Q/Q \leq 30\%</math></li> <li>4. <math>\Delta DCR/DCR \leq 15\%</math></li> </ol> <ul style="list-style-type: none"> <li>● Temperature: <math>-40^{\circ}\text{C} \pm 3^{\circ}\text{C}</math> Time: <math>96 \pm 2</math> hours.</li> <li>● Tested not less than 1 hour, nor more than 2 hours at room.</li> </ul>                                                                                   |                       |
| High Temperature Humidity Test | <ol style="list-style-type: none"> <li>1. No case deformation or change in appearance</li> <li>2. <math>\Delta L/L \leq 15\%</math></li> <li>3. <math>\Delta Q/Q \leq 30\%</math></li> <li>4. <math>\Delta DCR/DCR \leq 15\%</math></li> </ol> <ul style="list-style-type: none"> <li>● Temperature: <math>85^{\circ}\text{C} \pm 3^{\circ}\text{C}</math>.</li> <li>● Humidity: <math>85 \pm 5\% \text{RH}</math></li> <li>● Test Time: <math>96 \pm 2</math> hours</li> <li>● Tested not less than 1 hour. Nor more than 2 hours at room temperature.</li> </ul> |                       |
| Thermal Shock Storage Test     | <ol style="list-style-type: none"> <li>1. No case deformation or change in appearance</li> <li>2. <math>\Delta L/L \leq 15\%</math></li> <li>3. <math>\Delta Q/Q \leq 30\%</math></li> <li>4. <math>\Delta DCR/DCR \leq 15\%</math></li> </ol> <ul style="list-style-type: none"> <li>● First <math>-40^{\circ}\text{C}</math> for 30 Minutes, last <math>125^{\circ}\text{C}</math> for 30 Minutes as 1 cycle. Go through 20 cycles.</li> </ul>                                                                                                                   |                       |

## Powder Molding Type

### BCIHP1030/40/50-Series

#### ● Soldering re-flow



IPC/JEDEC J-STD-020C, Figure 5-1

| Profile Feature                                  | Sn-Pb Eutectic Assembly | Pb-Free Assembly |
|--------------------------------------------------|-------------------------|------------------|
| Average Ramp-Up Rate (Ts <sub>max</sub> to Tp)   | 3 °C/second max.        | 3 °C/second max. |
| Preheat                                          |                         |                  |
| ± Temperature Min (Ts <sub>min</sub> )           | 100 °C                  | 150 °C           |
| ± Temperature Max (Ts <sub>max</sub> )           | 150 °C                  | 200 °C           |
| ± Time (ts <sub>min</sub> to ts <sub>max</sub> ) | 60-120 seconds          | 60-180 seconds   |
| Time maintained above:                           |                         |                  |
| ± Temperature (T <sub>L</sub> )                  | 183 °C                  | 217 °C           |
| ± Time (t <sub>L</sub> )                         | 60-150 seconds          | 60-150 seconds   |
| Peak/Classification Temperature (Tp)             | See Table 4.1           | See Table 4.2    |
| Time within 5 °C of actual Peak Temperature (tp) | 10-30 seconds           | 20-40 seconds    |
| Ramp-Down Rate                                   | 6 °C/second max.        | 6 °C/second max. |
| Time 25 °C to Peak Temperature                   | 6 minutes max.          | 8 minutes max.   |

Table 4. Classification Reflow Profiles (per IPC/JEDEC J-STD-020C, Table 5.2)

Note 1: All temperatures refer to topside of the package, measured on the package body surface.

| Package Thickness | Volume mm <sup>3</sup> <350 | Volume mm <sup>3</sup> ≥350 |
|-------------------|-----------------------------|-----------------------------|
| <2.5 mm           | 240 +0/-5 °C                | 225 +0/-5 °C                |
| ≥2.5 mm           | 225 +0/-5 °C                | 225 +0/-5 °C                |

Table 5. SnPb Eutectic Process – Package Peak Reflow Temperatures (per IPC/JEDEC J-STD-020C, Table 4.1)

| Package Thickness | Volume mm <sup>3</sup> <350 | Volume mm <sup>3</sup> 350-2000 | Volume mm <sup>3</sup> >2000 |
|-------------------|-----------------------------|---------------------------------|------------------------------|
| <1.6 mm           | 260 + 0 °C *                | 260 + 0 °C *                    | 260 + 0 °C *                 |
| 1.6 mm - 2.5 mm   | 260 + 0 °C *                | 250 + 0 °C *                    | 245 + 0 °C *                 |
| ≥2.5 mm           | 250 + 0 °C *                | 245 + 0 °C *                    | 245 + 0 °C *                 |

\* Tolerance: Process compatibility is up to and including the stated classification temperature (this means Peak reflow temperature + 0 °C. For example 260 °C + 0 °C) at the rated MSL level.

Table 6. Pb-free Process – Package Classification Reflow Temperatures (per IPC/JEDEC J-STD-020C, Table 4.2)

Note 1: The profiling tolerance is + 0 °C, -X °C (based on machine variation capability) whatever is required to control the profile process but at no time will it exceed -5 °C. Process compatibility at the peak reflow profile temperatures as defined in Table 4.2.

Note 2: Package volume excludes external terminals (balls, bumps, lands, leads) and/or nonintegral heat sinks.

Note 3: The maximum component temperature reached during reflow depends on package thickness and volume. The use of convection reflow processes reduces the thermal gradients between packages. However, thermal gradients due to differences in thermal mass of SMD packages may still exist.

Note 4: Components intended for use in a “lead-free” assembly process shall be evaluated using the “lead-free” classification temperatures and profiles defined in Tables 4.1, 4.2 and 5.2 whether or not lead free.

## Powder Molding Type

### BCIHP1030/40/50-Series

#### ● Modify records

| Numbering | Date      | Modify content                                                                                                                                            |
|-----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| [1]       | 2015/8/31 | BCIHP1040-2R2M DCR: <del>8.5mΩ</del> >9mΩ. Isat: <del>19A</del> >25.6A                                                                                    |
| [1]       | 2015/8/31 | BCIHP1040-3R3M DCR: <del>11.5mΩ</del> >11.8mΩ. Irms: <del>11A</del> >10A. Isat: <del>16A</del> >18.6A                                                     |
| [1]       | 2015/8/31 | BCIHP1040-4R7M DCR: <del>16mΩ</del> >16.5mΩ. Irms: <del>8A</del> >9.5A. Isat: <del>14A</del> >17A                                                         |
| [1]       | 2015/8/31 | BCIHP1040-5R6M DCR: <del>23.5mΩ</del> >19.3mΩ. Irms: <del>8A</del> >8.5A. Isat: <del>12A</del> >16A                                                       |
| [1]       | 2015/8/31 | BCIHP1040-6R8M DCR: <del>25.5mΩ</del> >23.5mΩ. Irms: <del>7.5A</del> >8A. Isat: <del>11A</del> >13.5A                                                     |
| [1]       | 2015/8/31 | BCIHP1040-100M DCR: <del>42mΩ</del> >36.5mΩ. Irms: <del>5A</del> >6.8A. Isat: <del>8A</del> >12A                                                          |
| [2]       | 2015/5/20 | BCIHP1040-8R2M DCR: <del>31.0mΩ</del> >34.0mΩ.<br>Added BCIHP1040-120M` BCIHP1040-150M` BCIHP1040-330M` BCIHP1040-101M`<br>BCIHP1050-101M` BCIHP1050-121M |