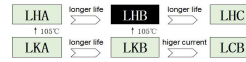


## LHB Series 105°C 5000 hours.



- RoHS requirements.
- 105°C 5000 hours series.
- Used for switching power supply, servos, frequency converters, air conditioners, filter circuits, laser welding machines, and other general industrial products.

### Product description

| Item  | Characteristic  |           |                |     |
|---|---|-----------|----------------|-----|
| Operating temperature range                                 | -40°C ~ +105°C  |           | -25°C ~ +105°C |     |
| Rated voltage(WV/V)   | 160V ~ 450V   |           | 460V ~ 550V    |     |
| Capacitance(CAP/C)  | 100 ~ 3300  |           |                |     |
| Tolerance(CAP/C)  | ±20% (25°C, 120Hz)  |           |                |     |
| Leakage current<br>LC/(25°C, 120Hz)                         | LC ≤ 0.01CV(μA) or 1.5mA, whichever is smaller (25°C, 5min) C=Nominal capacitance(μF), V=Working voltage(V) |           |                |     |
| Dissipation factorDF/tan δ(25°C, 120Hz)                     | UR(V)   | 160 ~ 450 | 460 ~ 550      |     |
|   | DF  | 0.15      |                |     |
| Temperature characteristics<br>(Impedance ratio at 120Hz)   | UR(V)   | 160 ~ 100 | 450 ~ 500      | 550 |
|   | Z(-25°C)/Z(+25°C)   | 4         | 7              | 10  |
|   | Z(-40°C)/Z(+25°C)   | 8         | 12             | -   |
| Temperature characteristics<br>(Capacitance ratio at 120Hz) | C(-40°C)/C(+25°C) ≥ 0.6   |           |                |     |
|   | C(-25°C)/C(+25°C) ≥ 0.7   |           |                |     |

|   | Working lifetime                          |          | Standard lifetime                        | Durability                               | High temperature storage                 |
|---|---|----------|--|--|--|
| Load Time                                   | 10000h                                    | >250000h | 5000h                                    | 5000h                                    | 1000h                                    |
| Leakage current<br>LC/(25°C, 120Hz)         | Within rated specification value          |          | Within rated specification value         | Within rated specification value         | Within rated specification value         |
| Capacitance change                          | Within ±30% of the initial value of earth |          | Within ±20% of initial value             | Within ±20% of initial value             | Within ±20% of initial value             |
| Dissipation factor                          | Within 300% of rated specification value  |          | Within 200% of rated specification value | Within 200% of rated specification value | Within 200% of rated specification value |
| Environmental condition:<br>Applied voltage | UR  | UR       | UR                                       | UR                                       | UR=0                                     |
| Applied current                             | IR  | 1.2×IR   | IR                                       | IR=0                                     | IR=0                                     |
| Application temperature                     | 105°C                                     | 40°C     | 105°C                                    | 105°C                                    | 105°C                                    |

Apply the rated operating voltage UR30 minutes and test after 24 hours of recovery.

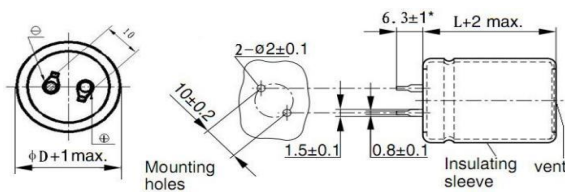
### Ripple current correction factor

| Temp. °C    | 40  | 55  | 85  | 105 | Freq.       | 50/60Hz | 120Hz | 300KHz | 1KHz | ≥10KHz |
|-------------|-----|-----|-----|-----|-------------|---------|-------|--------|------|--------|
| Coefficient | 3.0 | 2.8 | 2.0 | 1.0 | Coefficient | 0.80    | 1.00  | 1.15   | 1.30 | 1.41   |

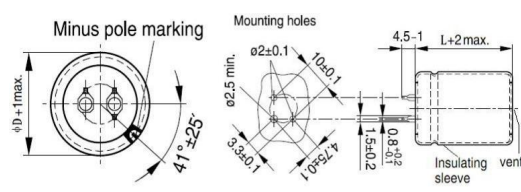
Aluminum electrolytic capacitors age due to self-heating and temperature rise when the ripple current is superimposed, and the use temperature rise will reduce the product life, to keep the product life, please reduce the ripple current during use.

### Outline drawing Unit: Mm

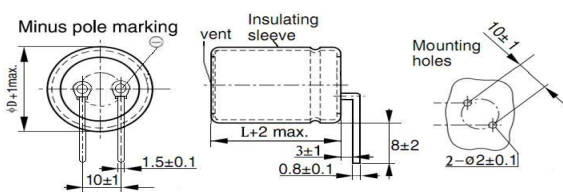
K type(snap in 2 pins):



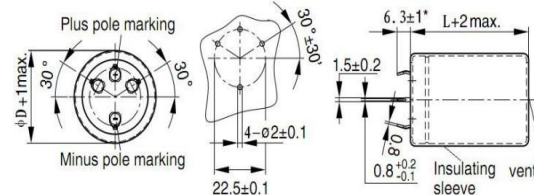
L type(snap in 3 pins):



C type(long lead 2 pins):



M type(snap in 4 pins):



■ LHB series:105°C 5000 hours,standard snap-in capacitor

| WV (V.DC)          | CAP 25°C, 120Hz (μF) | DF 25°C, 120Hz | Max ESR 25°C, 120Hz (mΩ) | ESR (typ.) 25°C, 120Hz (mΩ) | Rated Ripple Current 105°C, 120Hz (Arms) | Size ΦD×L (mm)   | Code P/N         | WV (V.DC)          | CAP 25°C, 120Hz (μF) | DF 25°C, 120Hz | Max ESR 25°C, 120Hz (mΩ) | ESR (typ.) 25°C, 120Hz (mΩ) | Rated Ripple Current 105°C, 120Hz (Arms) | Size ΦD×L (mm)   | Code P/N         |                  |
|--------------------|----------------------|----------------|--------------------------|-----------------------------|--|------------------|------------------|--------------------|----------------------|----------------|--------------------------|-----------------------------|--|------------------|------------------|------------------|
| (V.DC)             | (μF)                 |                | (mΩ)                     | (mΩ)                        | (Arms)                                   | (mm)             | -                | (V.DC)             | (μF)                 |                | (mΩ)                     | (mΩ)                        | (Arms)                                   | (mm)             | -                |                  |
| 160<br>2C<br>(200) | 470                  | 0.15           | 423                      | 254                         | 1.11                                     | 22 x 35          | LHB2C471MP035*** | 200<br>2D<br>(250) | 1500                 | 0.15           | 133                      | 80                          | 2.44                                     | 30 x 55          | LHB2D152MR055*** |                  |
|                    | 560                  | 0.15           | 355                      | 213                         | 1.26                                     | 22 x 40          | LHB2C561MP040*** |                    |                      | 0.15           | 133                      | 80                          | 2.44                                     | 30 x 55          | LHB2D152MR055*** |                  |
|                    | 680                  | 0.15           | 293                      | 176                         | 1.41                                     | 22 x 40          | LHB2C681MP040*** |                    |                      | 0.15           | 133                      | 80                          | 2.52                                     | 35 x 45          | LHB2D152MS045*** |                  |
|                    |                      | 0.15           | 293                      | 176                         | 1.33                                     | 25 x 35          | LHB2C681MQ035*** |                    |                      | 1800           | 0.15                     | 111                         | 66                                       | 2.74             | 30 x 65          | LHB2D182MR065*** |
|                    | 0.15                 | 243            | 146                      | 1.56                        | 22 x 45                                  | LHB2C821MP045*** | 0.15             |                    |                      |                | 111                      | 66                          | 2.81                                     | 35 x 50          | LHB2D182MS050*** |                  |
|                    | 0.15                 | 243            | 146                      | 1.56                        | 25 x 40                                  | LHB2C821MQ040*** | 0.15             |                    |                      |                | 111                      | 66                          | 2.81                                     | 35 x 55          | LHB2D182MS055*** |                  |
|                    | 1000                 | 0.15           | 199                      | 119                         | 1.78                                     | 22 x 55          | LHB2C102MP055*** |                    | 2200                 | 0.15           | 90                       | 54                          | 3.19                                     | 35 x 55          | LHB2D222MS055*** |                  |
|                    |                      | 0.15           | 199                      | 119                         | 1.78                                     | 25 x 45          | LHB2C102MQ045*** |                    |                      | 0.15           | 90                       | 54                          | 3.19                                     | 35 x 60          | LHB2D222MS060*** |                  |
|                    |                      | 0.15           | 199                      | 119                         | 1.85                                     | 30 x 35          | LHB2C102MR035*** |                    | 2700                 | 0.15           | 74                       | 44                          | 3.63                                     | 35 x 70          | LHB2D272MS070*** |                  |
|                    | 1200                 | 0.15           | 166                      | 100                         | 2.07                                     | 25 x 50          | LHB2C122MQ050*** |                    | 250<br>2E<br>(300)   | 270            | 0.15                     | 737                         | 442                                      | 0.81             | 22 x 35          | LHB2E271MP035*** |
|                    |                      | 0.15           | 166                      | 100                         | 2.07                                     | 30 x 40          | LHB2C122MR040*** |                    |                      | 330            | 0.15                     | 603                         | 362                                      | 0.96             | 22 x 40          | LHB2E331MP040*** |
|                    |                      | 0.15           | 166                      | 100                         | 2.07                                     | 35 x 35          | LHB2C122MS035*** |                    |                      | 390            | 0.15                     | 510                         | 306                                      | 1.04             | 22 x 45          | LHB2E391MP045*** |
|                    | 1500                 | 0.15           | 133                      | 80                          | 2.30                                     | 25 x 60          | LHB2C152MQ060*** |                    |                      |                | 0.15                     | 510                         | 306                                      | 1.04             | 25 x 35          | LHB2E391MQ035*** |
|                    |                      | 0.15           | 133                      | 80                          | 2.30                                     | 25 x 60          | LHB2C152MQ060*** |                    |                      | 470            | 0.15                     | 423                         | 254                                      | 1.19             | 22 x 50          | LHB2E471MP050*** |
|                    |                      | 0.15           | 133                      | 80                          | 2.37                                     | 30 x 45          | LHB2C152MR045*** |                    |                      |                | 0.15                     | 423                         | 254                                      | 1.19             | 25 x 40          | LHB2E471MQ040*** |
|                    | 1800                 | 0.15           | 111                      | 66                          | 2.67                                     | 25 x 70          | LHB2C182MQ070*** |                    |                      | 560            | 0.15                     | 355                         | 213                                      | 1.33             | 22 x 55          | LHB2E561MP055*** |
|                    |                      | 0.15           | 111                      | 66                          | 2.67                                     | 30 x 50          | LHB2C182MR050*** |                    |                      |                | 0.15                     | 355                         | 213                                      | 1.33             | 25 x 45          | LHB2E561MQ045*** |
|                    |                      | 0.15           | 111                      | 66                          | 2.59                                     | 35 x 40          | LHB2C182MS040*** |                    |                      |                | 0.15                     | 355                         | 213                                      | 1.33             | 30 x 35          | LHB2E561MR035*** |
|                    | 2200                 | 0.15           | 90                       | 54                          | 3.04                                     | 30 x 55          | LHB2C222MR055*** |                    |                      | 680            | 0.15                     | 293                         | 176                                      | 1.48             | 25 x 50          | LHB2E681MQ050*** |
|                    |                      | 0.15           | 90                       | 54                          | 3.04                                     | 30 x 60          | LHB2C222MR060*** |                    |                      |                | 0.15                     | 293                         | 176                                      | 1.56             | 30 x 40          | LHB2E681MR040*** |
|                    |                      | 0.15           | 90                       | 54                          | 2.96                                     | 35 x 45          | LHB2C222MS045*** |                    |                      |                | 0.15                     | 293                         | 176                                      | 1.63             | 35 x 35          | LHB2E681MS035*** |
|                    |                      | 0.15           | 90                       | 54                          | 2.96                                     | 35 x 50          | LHB2C222MS050*** |                    |                      |                | 820                      | 0.15                        | 243                                      | 146              | 1.70             | 25 x 55          |
|                    | 2700                 | 0.15           | 74                       | 44                          | 3.41                                     | 35 x 50          | LHB2C272MS050*** |                    |                      | 0.15           |                          | 243                         | 146                                      | 1.78             | 30 x 45          | LHB2E821MR045*** |
|                    |                      | 0.15           | 74                       | 44                          | 3.56                                     | 35 x 55          | LHB2C272MS055*** |                    |                      | 0.15           |                          | 243                         | 146                                      | 1.85             | 35 x 40          | LHB2E821MS040*** |
| 3300               | 0.15                 | 60             | 36                       | 4.00                        | 35 x 60                                  | LHB2C332MS060*** | 1000             | 0.15               |                      | 199            | 119                      | 2.00                        | 30 x 50                                  | LHB2E102MR050*** |                  |                  |
| 200<br>2D<br>(250) | 390                  | 0.15           | 510                      | 306                         | 0.96                                     | 22 x 35          | LHB2D391MP035*** | 1200               |                      | 0.15           | 166                      | 100                         | 2.22                                     | 35 x 55          | LHB2E122MS055*** |                  |
|                    | 470                  | 0.15           | 423                      | 254                         | 1.11                                     | 22 x 40          | LHB2D471MP040*** |                    |                      | 0.15           | 166                      | 100                         | 2.22                                     | 35 x 45          | LHB2E122MS045*** |                  |
|                    | 560                  | 0.15           | 355                      | 213                         | 1.26                                     | 22 x 45          | LHB2D561MP045*** |                    |                      | 0.15           | 166                      | 100                         | 2.37                                     | 35 x 50          | LHB2E122MS050*** |                  |
|                    |                      | 0.15           | 355                      | 213                         | 1.19                                     | 25 x 35          | LHB2D561MQ035*** |                    |                      | 1500           | 0.15                     | 133                         | 80                                       | 2.67             | 35 x 55          | LHB2E152MS055*** |
|                    | 680                  | 0.15           | 293                      | 176                         | 1.41                                     | 22 x 55          | LHB2D681MP055*** |                    |                      |                | 1800                     | 0.15                        | 111                                      | 66               | 2.96             | 35 x 60          |
|                    |                      | 0.15           | 293                      | 176                         | 1.41                                     | 25 x 40          | LHB2D681MQ040*** |                    |                      | 560            |                          | 0.15                        | 355                                      | 213              | 1.48             | 30 x 55          |
|                    | 820                  | 0.15           | 243                      | 146                         | 1.63                                     | 22 x 60          | LHB2D821MP060*** | 0.15               |                      |                | 355                      | 213                         | 1.48                                     | 35 x 45          | LHB2V561MS045*** |                  |
|                    |                      | 0.15           | 243                      | 146                         | 1.63                                     | 25 x 50          | LHB2D821MQ050*** | 680                |                      | 0.15           | 293                      | 176                         | 1.78                                     | 30 x 60          | LHB2V681MR060*** |                  |
|                    | 1000                 | 0.15           | 199                      | 119                         | 1.85                                     | 25 x 55          | LHB2D102MQ055*** |                    | 0.15                 | 293            | 176                      | 1.78                        | 35 x 50                                  | LHB2V681MS050*** |                  |                  |
|                    |                      | 0.15           | 199                      | 119                         | 1.85                                     | 30 x 40          | LHB2D102MR040*** |                    | 820                  | 0.15           | 243                      | 146                         | 1.93                                     | 35 x 55          | LHB2V821MS055*** |                  |
|                    |                      | 0.15           | 199                      | 119                         | 2.00                                     | 35 x 35          | LHB2D102MS035*** | 0.15               |                      | 243            | 146                      | 1.93                        | 35 x 60                                  | LHB2V821MS060*** |                  |                  |
|                    |                      | 0.15           | 199                      | 119                         | 2.00                                     | 35 x 40          | LHB2D102MS040*** | 1000               | 0.15                 | 199            | 119                      | 2.07                        | 35 x 60                                  | LHB2V102MS060*** |                  |                  |
|                    | 1200                 | 0.15           | 166                      | 100                         | 2.00                                     | 25 x 65          | LHB2D122MQ065*** | 350<br>2V<br>(400) | 560                  | 0.15           | 355                      | 213                         | 1.48                                     | 30 x 55          | LHB2V561MR055*** |                  |
|                    |                      | 0.15           | 166                      | 100                         | 2.07                                     | 30 x 45          | LHB2D122MR045*** |                    |                      | 0.15           | 355                      | 213                         | 1.48                                     | 35 x 45          | LHB2V561MS045*** |                  |
|                    |                      | 0.15           | 166                      | 100                         | 2.07                                     | 30 x 60          | LHB2D122MR060*** |                    | 680                  | 0.15           | 293                      | 176                         | 1.78                                     | 30 x 60          | LHB2V681MR060*** |                  |
|                    |                      | 0.15           | 166                      | 100                         | 2.22                                     | 35 x 40          | LHB2D122MS040*** |                    |                      | 0.15           | 293                      | 176                         | 1.78                                     | 35 x 50          | LHB2V681MS050*** |                  |

■ LHB series:105°C 5000 hours,standard snap-in capacitor

| WV<br>(V.DC)       | CAP<br>25°C,<br>120Hz<br>(μF) | DF<br>25°C,<br>120Hz | Max<br>ESR<br>25°C,<br>120Hz<br>(mΩ) | ESR<br>(typ.)<br>25°C,<br>120Hz<br>(mΩ) | Rated<br>Ripple<br>Current<br>105°C,<br>120Hz<br>(Arms) | Size<br>ΦD×L<br>(mm) | Code P/N         | WV<br>(V.DC)       | CAP<br>25°C,<br>120Hz<br>(μF) | DF<br>25°C,<br>120Hz | Max ESR<br>25°C,<br>120Hz<br>(mΩ) | ESR<br>(typ.)<br>25°C,<br>120Hz<br>(mΩ) | Rated<br>Ripple<br>Current<br>105°C,<br>120Hz<br>(Arms) | Size<br>ΦD×L<br>(mm) | Code P/N         |
|--------------------|-------------------------------|----------------------|--------------------------------------|---|---|----------------------|------------------|--------------------|-------------------------------|----------------------|-----------------------------------|---|---|----------------------|------------------|
| (V.DC)             | (μF)                          |                      | (mΩ)                                 | (mΩ)                                    | (Arms)  | (mm)                 | -                | (V.DC)             | (μF)                          |                      | (mΩ)                              | (mΩ)                                    | (Arms)  | (mm)                 | -                |
| 315<br>2F (368)    | 180                           | 0.15                 | 1106                                 | 663                                     | 1.0   | 22 x 30              | LHB2F181MP030*** | 400<br>2G<br>(450) | 150                           | 0.15                 | 1327                              | 708                                     | 0.67  | 22 x 35              | LHB2G151MP035*** |
|                    | 220                           | 0.15                 | 905                                  | 543                                     | 1.1   | 22 x 35              | LHB2F221MP035*** |                    |                               | 0.15                 | 1327                              | 708                                     | 0.67  | 25 x 30              | LHB2G151MQ030*** |
|                    | 270                           | 0.15                 | 737                                  | 442                                     | 1.2   | 22 x 40              | LHB2F271MP040*** |                    | 0.15                          | 1106                 | 590                               | 0.74                                    | 22 x 40   | LHB2G181MP040***     |                  |
|                    |                               | 0.15                 | 737                                  | 442                                     | 1.2   | 25 x 35              | LHB2F271MQ035*** |                    | 0.15                          | 1106                 | 590                               | 0.74                                    | 25 x 30   | LHB2G181MQ030***     |                  |
|                    | 330                           | 0.15                 | 603                                  | 362                                     | 1.4   | 22 x 45              | LHB2F331MP045*** |                    | 220                           | 0.15                 | 905                               | 483                                     | 0.81  | 22 x 45              | LHB2G221MP045*** |
|                    |                               | 0.15                 | 510                                  | 306                                     | 1.6   | 22 x 50              | LHB2F391MP050*** |                    |                               | 0.15                 | 905                               | 483                                     | 0.81  | 25 x 35              | LHB2G221MQ035*** |
|                    |                               | 0.15                 | 510                                  | 306                                     | 1.6   | 22 x 60              | LHB2F391MP060*** |                    |                               | 0.15                 | 905                               | 483                                     | 0.89  | 30 x 30              | LHB2G221MR030*** |
|                    | 390                           | 0.15                 | 510                                  | 306                                     | 1.6   | 22 x 60              | LHB2F391MP060*** |                    | 270                           | 0.15                 | 737                               | 393                                     | 0.96  | 22 x 50              | LHB2G271MP050*** |
|                    |                               | 0.15                 | 510                                  | 306                                     | 1.6   | 25 x 40              | LHB2F391MQ040*** |                    |                               | 0.15                 | 737                               | 393                                     | 0.96  | 25 x 40              | LHB2G271MQ040*** |
|                    |                               | 0.15                 | 423                                  | 254                                     | 1.8   | 22 x 60              | LHB2F471MP060*** |                    |                               | 0.15                 | 737                               | 393                                     | 0.96  | 30 x 30              | LHB2G271MR030*** |
|                    | 470                           | 0.15                 | 423                                  | 254                                     | 1.8   | 30 x 35              | LHB2F471MR035*** |                    | 330                           | 0.15                 | 603                               | 322                                     | 1.11  | 25 x 50              | LHB2G331MQ050*** |
|                    |                               | 0.15                 | 423                                  | 254                                     | 1.8   | 35 x 30              | LHB2F471MS030*** |                    |                               | 0.15                 | 603                               | 322                                     | 1.04  | 30 x 35              | LHB2G331MR035*** |
|                    |                               | 0.15                 | 355                                  | 213                                     | 2.0   | 25 x 55              | LHB2F561MQ055*** |                    |                               | 0.15                 | 603                               | 322                                     | 1.11  | 35 x 30              | LHB2G331MS030*** |
|                    | 560                           | 0.15                 | 355                                  | 213                                     | 1.9   | 30 x 40              | LHB2F561MR040*** |                    | 390                           | 0.15                 | 510                               | 272                                     | 1.19  | 25 x 55              | LHB2G391MQ055*** |
|                    |                               | 0.15                 | 355                                  | 213                                     | 2.0   | 30 x 40              | LHB2F561MR040*** |                    |                               | 0.15                 | 510                               | 357                                     | 1.19  | 30 x 40              | LHB2G391MR040*** |
|                    |                               | 0.15                 | 293                                  | 176                                     | 2.2   | 30 x 50              | LHB2F681MR050*** |                    |                               | 0.15                 | 510                               | 272                                     | 1.26  | 35 x 30              | LHB2G391MS030*** |
|                    | 680                           | 0.15                 | 293                                  | 176                                     | 2.3   | 30 x 45              | LHB2F681MR045*** |                    | 470                           | 0.15                 | 423                               | 226                                     | 1.33  | 30 x 45              | LHB2G471MR045*** |
|                    |                               | 0.15                 | 293                                  | 176                                     | 2.2   | 35 x 35              | LHB2F681MS035*** |                    |                               | 0.15                 | 423                               | 226                                     | 1.41  | 35 x 35              | LHB2G471MS035*** |
|                    |                               | 0.15                 | 243                                  | 146                                     | 2.5   | 30 x 50              | LHB2F821MR050*** |                    |                               | 560                  | 0.15                              | 355                                     | 190   | 1.56                 | 30 x 50          |
|                    | 0.15                          | 243                  | 146                                  | 2.6                                     | 35 x 40   | LHB2F821MS040***     | 0.15             |                    | 355                           |                      | 190                               | 1.56                                    | 35 x 40   | LHB2G561MS040***     |                  |
| 1000               | 0.15                          | 199                  | 119                                  | 2.9                                     | 35 x 45   | LHB2F102MS045***     | 680              | 0.15               | 293                           | 156                  | 1.78                              | 35 x 45                                 | LHB2G681MS045***  |                      |                  |
| 1200               | 0.15                          | 166                  | 100                                  | 3.3                                     | 35 x 60   | LHB2F122MS060***     | 820              | 0.15               | 243                           | 170                  | 2.00                              | 35 x 55                                 | LHB2G821MS055***  |                      |                  |
|                    | 0.15                          | 166                  | 100                                  | 3.3                                     | 35 x 55   | LHB2F122MS055***     | 1000             | 0.15               | 199                           | 106                  | 2.37                              | 35 x 60                                 | LHB2G102MS060***  |                      |                  |
| 350<br>2V<br>(400) | 120                           | 0.15                 | 1659                                 | 995                                     | 0.7   | 22 x 25              | LHB2V121MP025*** | 420<br>2I<br>(470) | 100                           | 0.15                 | 1990                              | 1128                                    | 0.52  | 22 x 30              | LHB2I101MP030*** |
|                    | 150                           | 0.15                 | 1327                                 | 796                                     | 0.8   | 22 x 30              | LHB2V151MP030*** |                    |                               | 0.15                 | 1659                              | 940                                     | 0.59  | 22 x 30              | LHB2I121MP030*** |
|                    | 180                           | 0.15                 | 1106                                 | 663                                     | 0.9   | 22 x 35              | LHB2V181MP035*** |                    | 0.15                          | 1659                 | 940                               | 0.59                                    | 25 x 25   | LHB2I121MQ025***     |                  |
|                    |                               | 0.15                 | 1106                                 | 663                                     | 0.9   | 25 x 30              | LHB2V181MQ030*** |                    | 150                           | 0.15                 | 1327                              | 752                                     | 0.67  | 22 x 35              | LHB2I151MP035*** |
|                    | 220                           | 0.15                 | 905                                  | 543                                     | 1.0   | 22 x 40              | LHB2V221MP040*** |                    |                               | 0.15                 | 1106                              | 627                                     | 0.74  | 22 x 40              | LHB2I181MP040*** |
|                    |                               | 0.15                 | 905                                  | 543                                     | 1.0   | 25 x 35              | LHB2V221MQ035*** |                    | 180                           | 0.15                 | 1106                              | 627                                     | 0.74  | 25 x 30              | LHB2I181MQ030*** |
|                    | 270                           | 0.15                 | 737                                  | 442                                     | 1.3   | 22 x 45              | LHB2V271MP045*** |                    |                               | 0.15                 | 1106                              | 627                                     | 0.81  | 30 x 25              | LHB2I181MR025*** |
|                    |                               | 0.15                 | 737                                  | 442                                     | 1.3   | 22 x 50              | LHB2V271MP050*** |                    | 220                           | 0.15                 | 905                               | 513                                     | 0.89  | 22 x 45              | LHB2I221MP045*** |
|                    | 0.15                          | 737                  | 442                                  | 1.3                                     | 25 x 35   | LHB2V271MQ035***     | 0.15             |                    |                               | 905                  | 513                               | 0.89                                    | 22 x 50   | LHB2I221MP050***     |                  |
|                    | 0.15                          | 737                  | 442                                  | 1.3                                     | 30 x 30   | LHB2V271MR030***     | 0.15             |                    |                               | 905                  | 513                               | 0.89                                    | 25 x 35   | LHB2I221MQ035***     |                  |
|                    | 330                           | 0.15                 | 603                                  | 362                                     | 1.4   | 22 x 55              | LHB2V331MP055*** |                    | 270                           | 0.15                 | 905                               | 513                                     | 0.89  | 30 x 30              | LHB2I221MR030*** |
|                    |                               | 0.15                 | 603                                  | 362                                     | 1.4   | 25 x 45              | LHB2V331MQ045*** |                    |                               | 0.15                 | 737                               | 418                                     | 0.96  | 25 x 40              | LHB2I271MQ040*** |
|                    |                               | 0.15                 | 603                                  | 362                                     | 1.4   | 30 x 30              | LHB2V331MR030*** |                    |                               | 0.15                 | 737                               | 418                                     | 0.96  | 30 x 30              | LHB2I271MR030*** |
|                    | 390                           | 0.15                 | 510                                  | 306                                     | 1.6   | 25 x 50              | LHB2V391MQ050*** |                    | 330                           | 0.15                 | 737                               | 418                                     | 1.04  | 35 x 25              | LHB2I271MS025*** |
|                    |                               | 0.15                 | 510                                  | 306                                     | 1.6   | 25 x 55              | LHB2V391MQ055*** |                    |                               | 0.15                 | 603                               | 342                                     | 1.11  | 25 x 50              | LHB2I331MQ050*** |
|                    |                               | 0.15                 | 510                                  | 306                                     | 1.6   | 30 x 35              | LHB2V391MR035*** |                    |                               | 0.15                 | 603                               | 342                                     | 1.11  | 30 x 35              | LHB2I331MR035*** |
|                    | 470                           | 0.15                 | 423                                  | 254                                     | 1.8   | 25 x 55              | LHB2V471MQ055*** |                    | 0.15                          | 603                  | 342                               | 1.19                                    | 35 x 30   | LHB2I331MS030***     |                  |
|                    |                               | 0.15                 | 423                                  | 254                                     | 1.8   | 30 x 40              | LHB2V471MR040*** |                    |                               |                      |                                   |   |   |                      |                  |
|                    |                               | 0.15                 | 423                                  | 254                                     | 1.8   | 35 x 35              | LHB2V471MS035*** |                    |                               |                      |                                   |   |   |                      |                  |

## ■ LHB series:105°C 5000 hours,standard snap-in capacitor

| WV<br>(V.DC)       | CAP<br>25°C,<br>120Hz<br>(μF) | DF<br>25°C,<br>120Hz | Max<br>ESR<br>25°C,<br>120Hz<br>(mΩ) | ESR<br>(typ.)<br>25°C,<br>120Hz<br>(mΩ) | Rated<br>Ripple<br>Current<br>105°C,<br>120Hz<br>(Arms) | Size<br>ΦD×L<br>(mm) | Code P/N         | WV<br>(V.DC)       | CAP<br>25°C,<br>120Hz<br>(μF) | DF<br>25°C,<br>120Hz | Max ESR<br>25°C,<br>120Hz<br>(mΩ) | ESR<br>(typ.)<br>25°C,<br>120Hz<br>(mΩ) | Rated<br>Ripple<br>Current<br>105°C,<br>120Hz<br>(Arms) | Size<br>ΦD×L<br>(mm) | Code P/N         |                  |  |
|--------------------|-------------------------------|----------------------|--------------------------------------|---|---|----------------------|------------------|--------------------|-------------------------------|----------------------|-----------------------------------|---|---|----------------------|------------------|------------------|--|
| (V.DC)             | (μF)                          |                      | (mΩ)                                 | (mΩ)                                    | (Arms)  | (mm)                 | -                | (V.DC)             | (μF)                          |                      | (mΩ)                              | (mΩ)                                    | (Arms)  | (mm)                 | -                |                  |  |
| 420<br>2I<br>(470) | 390                           | 0.15                 | 510                                  | 289                                     | 1.26  | 30 x 40              | LHB2I391MR040*** | 500<br>2H<br>(550) | 100                           | 0.15                 | 2654                              | 1062                                    | 0.59  | 25 x 30              | LHB2H101MQ030*** |                  |  |
|                    |                               | 0.15                 | 510                                  | 289                                     | 1.26  | 35 x 30              | LHB2I391MS030*** |                    | 120                           | 0.15                 | 2212                              | 885                                     | 0.67  | 25 x 35              | LHB2H121MQ035*** |                  |  |
|                    |                               | 0.15                 | 510                                  | 289                                     | 1.26  | 35 x 35              | LHB2I391MS035*** |                    |                               | 0.15                 | 2212                              | 885                                     | 0.67  | 30 x 30              | LHB2H121MR030*** |                  |  |
|                    | 470                           | 0.15                 | 423                                  | 240                                     | 1.41  | 30 x 50              | LHB2I471MR050*** |                    | 150                           | 0.15                 | 2212                              | 708                                     | 0.74  | 30 x 30              | LHB2H151MR030*** |                  |  |
|                    |                               | 0.15                 | 423                                  | 240                                     | 1.48  | 35 x 40              | LHB2I471MS040*** |                    | 180                           | 0.15                 | 1474                              | 590                                     | 0.89  | 30 x 35              | LHB2H181MR035*** |                  |  |
|                    | 560                           | 0.15                 | 355                                  | 201                                     | 1.63  | 35 x 40              | LHB2I561MS040*** |                    | 220                           | 0.15                 | 1206                              | 483                                     | 0.74  | 25 x 50              | LHB2H221MQ050*** |                  |  |
|                    | 680                           | 0.15                 | 293                                  | 166                                     | 1.85  | 35 x 50              | LHB2I681MS050*** |                    |                               | 0.15                 | 1206                              | 483                                     | 0.96  | 30 x 40              | LHB2H221MR040*** |                  |  |
|                    | 820                           | 0.15                 | 243                                  | 138                                     | 2.22  | 35 x 55              | LHB2I821MS055*** |                    |                               | 0.15                 | 1206                              | 483                                     | 0.89  | 35 x 35              | LHB2H221MS035*** |                  |  |
|                    | 1000                          | 0.15                 | 199                                  | 113                                     | 2.52  | 35 x 65              | LHB2I102MS065*** |                    | 270                           | 0.15                 | 983                               | 393                                     | 1.11  | 30 x 50              | LHB2H271MR050*** |                  |  |
|                    | 1200                          | 0.15                 | 166                                  | 94                                      | 2.81  | 35 x 75              | LHB2I122MS075*** |                    |                               | 0.15                 | 983                               | 393                                     | 1.11  | 35 x 40              | LHB2H271MS040*** |                  |  |
| 450<br>2W<br>(500) | 120                           | 0.15                 | 2212                                 | 885                                     | 0.59  | 22 x 40              | LHB2W121MP040*** | 330                | 0.15                          | 804                  | 322                               | 1.19                                    | 35 x 45   | LHB2H331MS045***     |                  |                  |  |
|                    |                               | 0.15                 | 2212                                 | 885                                     | 0.59  | 22 x 35              | LHB2W121MP035*** | 390                | 0.15                          | 680                  | 272                               | 1.33                                    | 35 x 50   | LHB2H391MS050***     |                  |                  |  |
|                    |                               | 0.15                 | 2212                                 | 885                                     | 0.59  | 25 x 25              | LHB2W121MQ025*** |                    | 0.15                          | 565                  | 226                               | 1.48                                    | 35 x 55   | LHB2H471MS055***     |                  |                  |  |
|                    | 150                           | 0.15                 | 1769                                 | 708                                     | 0.67  | 22 x 40              | LHB2W151MP040*** | 470                | 0.15                          | 565                  | 226                               | 1.48                                    | 35 x 60   | LHB2H471MS060***     |                  |                  |  |
|                    |                               | 0.15                 | 1769                                 | 708                                     | 0.67  | 25 x 30              | LHB2W151MQ030*** |                    | 0.15                          | 474                  | 190                               | 1.63                                    | 35 x 65   | LHB2H561MS065***     |                  |                  |  |
|                    | 180                           | 0.15                 | 1474                                 | 590                                     | 0.81  | 22 x 45              | LHB2W181MP045*** | 560                | 0.15                          | 474                  | 190                               | 1.63                                    | 40 x 50   | LHB2H561MB050***     |                  |                  |  |
|                    |                               | 0.15                 | 1474                                 | 590                                     | 0.81  | 25 x 35              | LHB2W181MQ035*** |                    | 0.15                          | 390                  | 156                               | 1.78                                    | 35 x 70   | LHB2H681MS070***     |                  |                  |  |
|                    |                               | 0.15                 | 1474                                 | 590                                     | 0.81  | 30 x 25              | LHB2W181MR025*** | 680                | 0.15                          | 390                  | 156                               | 1.78                                    | 40 x 60   | LHB2H681MB060***     |                  |                  |  |
|                    | 220                           | 0.15                 | 1206                                 | 483                                     | 0.89  | 22 x 50              | LHB2W221MP050*** |                    | 820                           | 0.15                 | 324                               | 129                                     | 1.93  | 40 x 70              | LHB2H821MB070*** |                  |  |
|                    |                               | 0.15                 | 1206                                 | 483                                     | 0.89  | 25 x 40              | LHB2W221MQ040*** | 1000               | 0.15                          | 265                  | 106                               | 2.07                                    | 45 x 70   | LHB2H102MV070***     |                  |                  |  |
|                    |                               | 0.15                 | 1206                                 | 483                                     | 0.89  | 30 x 30              | LHB2W221MR030*** | 1200               | 0.15                          | 221                  | 88                                | 2.37                                    | 45 x 80   | LHB2H122MV080***     |                  |                  |  |
|                    | 550<br>2Y<br>(600)            | 270                  | 0.15                                 | 983                                     | 393   | 0.96                 | 25 x 45          | LHB2W271MQ045***   | 550<br>2Y<br>(600)            | 270                  | 0.15                              | 1229                                    | 590   | 0.96                 | 35 x 50          | LHB2Y271MS050*** |  |
|                    |                               |                      | 0.15                                 | 983                                     | 393   | 0.96                 | 30 x 35          | LHB2W271MR035***   |                               | 330                  | 0.15                              | 1005                                    | 483   | 1.04                 | 35 x 60          | LHB2Y331MS060*** |  |
|                    |                               |                      | 0.15                                 | 983                                     | 393   | 1.04                 | 35 x 30          | LHB2W271MS030***   |                               |                      | 0.15                              | 851                                     | 408   | 1.19                 | 35 x 65          | LHB2Y391MS065*** |  |
|                    |                               | 330                  | 0.15                                 | 804                                     | 322   | 1.11                 | 30 x 40          | LHB2W331MR040***   |                               | 470                  | 0.15                              | 706                                     | 339   | 1.33                 | 35 x 70          | LHB2Y471MS070*** |  |
|                    |                               |                      | 0.15                                 | 680                                     | 272   | 1.26                 | 30 x 45          | LHB2W391MR045***   |                               |                      | 0.15                              | 706                                     | 339   | 1.33                 | 40 x 65          | LHB2Y471MB065*** |  |
|                    |                               | 390                  | 0.15                                 | 680                                     | 272   | 1.26                 | 35 x 35          | LHB2W391MS035***   |                               | 560                  | 0.15                              | 592                                     | 284   | 1.48                 | 35 x 80          | LHB2Y561MS080*** |  |
|                    |                               |                      | 0.15                                 | 680                                     | 272   | 1.26                 | 35 x 40          | LHB2W391MS040***   |                               |                      | 0.15                              | 592                                     | 284   | 1.48                 | 40 x 70          | LHB2Y561MB070*** |  |
|                    |                               | 470                  | 0.15                                 | 565                                     | 226   | 1.48                 | 35 x 40          | LHB2W471MS040***   |                               | 680                  | 0.15                              | 488                                     | 234   | 1.70                 | 40 x 80          | LHB2Y681MB080*** |  |
|                    |                               |                      | 0.15                                 | 565                                     | 226   | 1.48                 | 35 x 45          | LHB2W471MS045***   |                               |                      | 0.15                              | 488                                     | 234   | 1.70                 | 45 x 70          | LHB2Y681MV070*** |  |
|                    |                               |                      | 0.15                                 | 565                                     | 226   | 1.48                 | 35 x 50          | LHB2W471MS050***   |                               |                      |                                   |   |   |                      |                  |                  |  |
|                    |                               | 560                  | 0.15                                 | 474                                     | 190   | 1.63                 | 35 x 50          | LHB2W561MS050***   |                               |                      |                                   |   |   |                      |                  |                  |  |
|                    |                               | 680                  | 0.15                                 | 390                                     | 156   | 1.93                 | 35 x 55          | LHB2W681MS055***   |                               |                      |                                   |   |   |                      |                  |                  |  |
|                    | 0.15                          |                      | 390                                  | 156                                     | 1.93  | 35 x 60              | LHB2W681MS060*** |                    |                               |                      |                                   |   |   |                      |                  |                  |  |
| 820                | 0.15                          | 324                  | 129                                  | 2.22                                    | 35 x 65   | LHB2W821MS065***     |                  |                    |                               |                      |                                   |   |   |                      |                  |                  |  |
| 1000               | 0.15                          | 265                  | 106                                  | 2.52                                    | 35 x 75   | LHB2W102MS075***     |                  |                    |                               |                      |                                   |   |   |                      |                  |                  |  |
|                    | 0.15                          | 265                  | 106                                  | 2.52                                    | 40 x 65   | LHB2W102MB065***     |                  |                    |                               |                      |                                   |   |   |                      |                  |                  |  |
| 1200               | 0.15                          | 221                  | 88                                   | 2.74                                    | 40 x 75   | LHB2W122MB075***     |                  |                    |                               |                      |                                   |   |   |                      |                  |                  |  |

\*\*\*\* Indicates terminal type, length, and sleeve color.

If you need to know more about product specifications, sizes and other relevant data, if not fully listed, you can contact through phone, wechat and other tools to understand

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