# BMRx Series




BMRx series is designed for low profile type with low RDC and ultra large current. Its molded magnetic shielded type is suitable for high-density mounting and ultra low buzz noise. Soldering conditions can be easily confirmed when mounting onto the board. This series also provides customers with embossed carrier type packaging for automatic mounting machine.

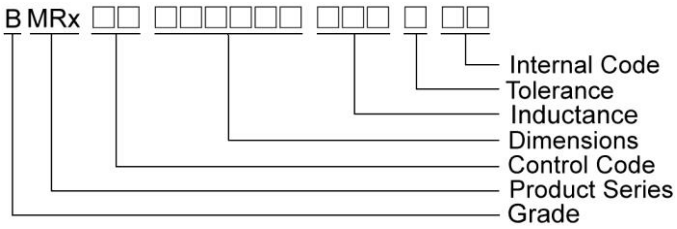
## Features

- RoHS, Halogen Free and REACH Compliance
- High rated current
- Ultra low buzz noise

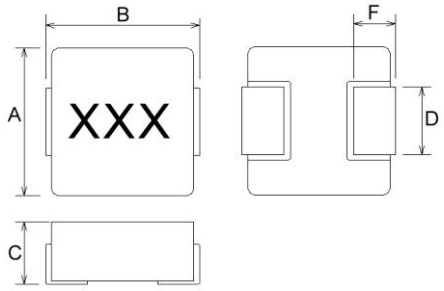
## Applications

- Laptops and PCs
- Switchs and servers
- Base stations
- DC/DC converters

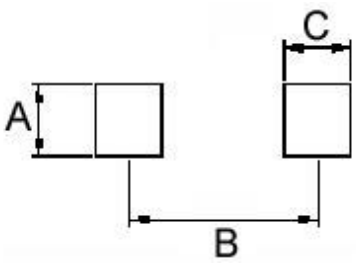
## Product Identification




## Shape and Dimensions




## Recommended Pattern



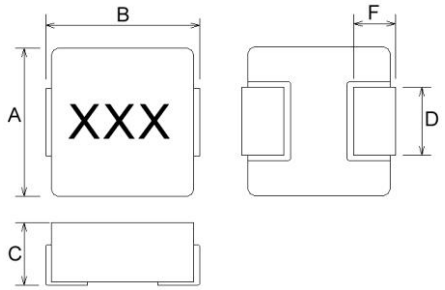

Dimensions in mm

| TYPE | A | B | C | D | F |
|---|---|---|---|---|---|
| BMRx00040412 | 4.1±0.2 | 4.6±0.2 | 1.2Max | 1.5±0.3 | 1.0±0.5 |
| BMRA00040415 | 4.1±0.2 | 4.6±0.2 | 1.5Max | 1.5±0.3 | 1.0±0.5 |
| BMRA00040420 | 4.1±0.2 | 4.6±0.2 | 2.0Max | 1.5±0.3 | 1.0±0.5 |
| BMRB00050512 | 5.4±0.35 | 5.7±0.2 | 1.2Max | 2.0±0.3 | 1.1±0.3 |
| BMRx00050512-B | 5.2±0.2 | 5.4±0.35 | 1.2Max | 2.0±0.3 | 1.0±0.3 |
| BMRx00050515 | 5.4±0.35 | 5.7±0.2 | 1.5Max | 2.0±0.3 | 1.5±0.3 |
| BMRB00050518 | 5.4±0.35 | 5.7±0.2 | 1.8Max | 2.0±0.3 | 1.5±0.3 |
| BMRB00050518-B | 5.2±0.2 | 5.4±0.35 | 1.6±0.2 | 2.0±0.3 | 1.1±0.3 |

Dimensions in mm

| TYPE | A | B | C |
|---|---|---|---|
| BMRx00040412 | 2.5 | 3.7 | 1.5 |
| BMRA00040415 | 2.5 | 3.7 | 1.5 |
| BMRA00040420 | 2.5 | 3.7 | 1.5 |
| BMRx00050512 | 2.5 | 4.1 | 1.9 |
| BMRx00050515 | 2.5 | 4.1 | 1.9 |
| BMRB00050518 | 2.5 | 4.1 | 1.9 |

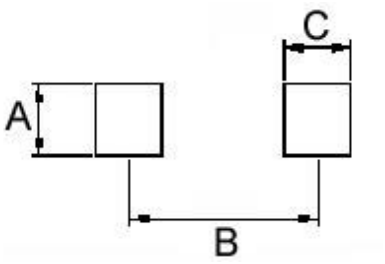
## Shape and Dimensions




Dimensions in mm

| TYPE | A | B | C | D | F |
|---|---|---|---|---|---|
| BMRA00050520 | 5.4±0.35 | 5.7±0.2 | 1.8±0.2 | 2.0±0.3 | 1.5±0.3 |
| BMRA00050530 | 5.4±0.35 | 5.7±0.2 | 3.0Max | 2.0±0.3 | 1.5±0.3 |
| BMRB00060612 | 6.6±0.2 | 7.3Max | 1.2 Max | 2.9 | 1.6±0.5 |
| BMRx00060615 | 6.6±0.2 | 7.3Max | 1.3±0.2 | 2.9 | 1.6±0.5 |
| BMRB00060618 | 6.6±0.2 | 7.3Max | 1.6±0.2 | 2.9 | 1.6±0.5 |
| BMRB00060624 | 6.6±0.2 | 7.3Max | 2.4Max | 2.9 | 1.6±0.5 |
| BMRx00060630 | 6.6±0.2 | 7.3Max | 3.0Max | 2.9 | 1.6±0.5 |
| BMRB00060650 | 6.6±0.2 | 7.3Max | 5.0Max | 2.9 | 1.6±0.5 |
| BMRG00101030 | 10.1±0.3 | 11.6Max | 3.0Max | 3.0 | 2.5±0.5 |
| BMRF00101040 | 10.1±0.3 | 11.6Max | 4.0Max | 3.0 | 2.5±0.5 |
| BMRF00131350 | 12.6±0.2 | 13.8Max | 5.0Max | 3.7 | 2.7±0.7 |
| BMRF00131360 | 12.6±0.2 | 13.8Max | 5.8±0.2 | 5.0±0.5 | 2.0±0.5 |
| BMRG00131360 | 12.6±0.2 | 13.8Max | 6.0 Max | 5.0±0.5 | 2.0±0.5 |
| BMRF00171770 | 17.15Max | 17.15±0.35 | 6.8±0.2 | 12±0.3 | 2.5±0.5 |

## Recommended Pattern




Dimensions in mm

| TYPE | A | B | C |
|---|---|---|---|
| BMRA00050520 | 2.5 | 4.1 | 1.9 |
| BMRA00050530 | 2.5 | 4.1 | 1.9 |
| BMRB00060612 | 3.5 | 6.05 | 2.35 |
| BMRx00060615 | 3.5 | 6.05 | 2.35 |
| BMRB00060618 | 3.5 | 6.05 | 2.35 |
| BMRB00060624 | 3.5 | 6.05 | 2.35 |
| BMRx00060630 | 3.5 | 6.05 | 2.35 |
| BMRB00060650 | 3.5 | 6.05 | 2.35 |
| BMRG00101030 | 4.0 | 9.5 | 3.5 |
| BMRF00101040 | 4.0 | 9.5 | 3.5 |
| BMRF00131350 | 5.0 | 10.5 | 4.0 |
| BMRF00131360 | 5.5 | 10.5 | 4.0 |
| BMRG00131360 | 5.5 | 10.5 | 4.0 |
| BMRF00171770 | 12.8 | 14.7 | 3.5 |

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

CHILISIN ELECTRONICS CORP.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRA00040412R22MA1 | 0.22 | 20 | 100 | 12 | 11.5 | 8.5 |
| BMRA00040412R33MA1 | 0.33 | 20 | 100 | 19 | 8.5 | 6.5 |
| BMRA00040412R47MA1 | 0.47 | 20 | 100 | 25 | 7.0 | 5.0 |
| BMRA00040412R68MA1 | 0.68 | 20 | 100 | 36 | 6.0 | 4.5 |
| BMRA000404121R0MA1 | 1.0 | 20 | 100 | 47 | 5.2 | 4.2 |
| BMRA000404121R5MA1 | 1.5 | 20 | 100 | 75 | 4.0 | 3.25 |
| BMRA000404122R2MA1 | 2.2 | 20 | 100 | 83.5 | 3.5 | 2.75 |
| BMRA000404123R3MA1 | 3.3 | 20 | 100 | 165 | 3.0 | 2.0 |
| BMRA000404124R7MA1 | 4.7 | 20 | 100 | 195 | 2.8 | 1.8 |

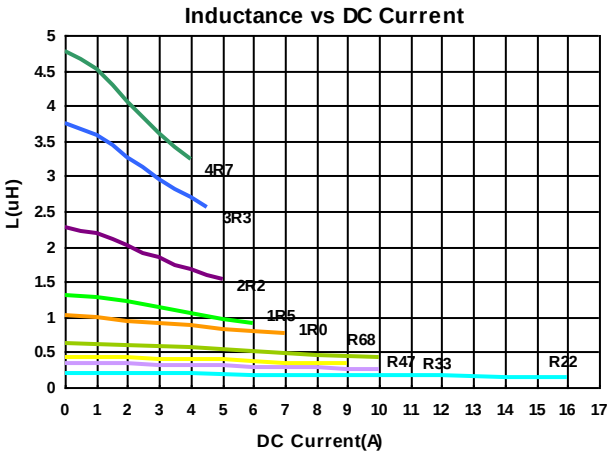
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

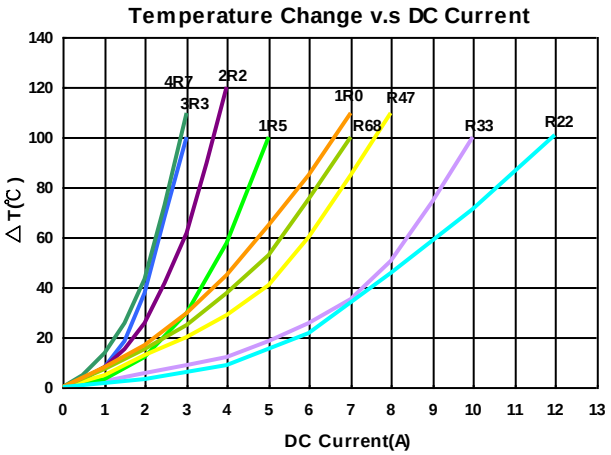
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

CHILISIN ELECTRONICS CORP.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat(A) Max(Typ.) | Irms(A) Max(Typ.) |
|---|---|---|---|---|---|---|
| BMRB000404124R7MA1 | 4.7 | 20 | 100 | 195(175) | 2.2(2.8) | 1.6(1.8) |
| BMRB000404126R8MA1 | 6.8 | 20 | 100 | 368(320) | 1.9(2.2) | 1.5(1.7) |

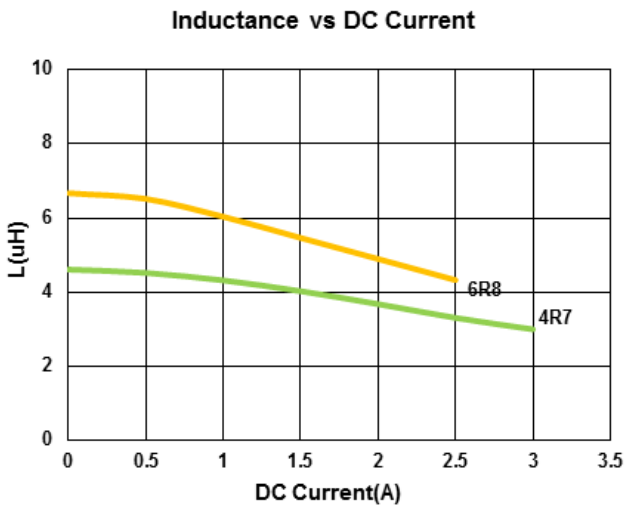
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

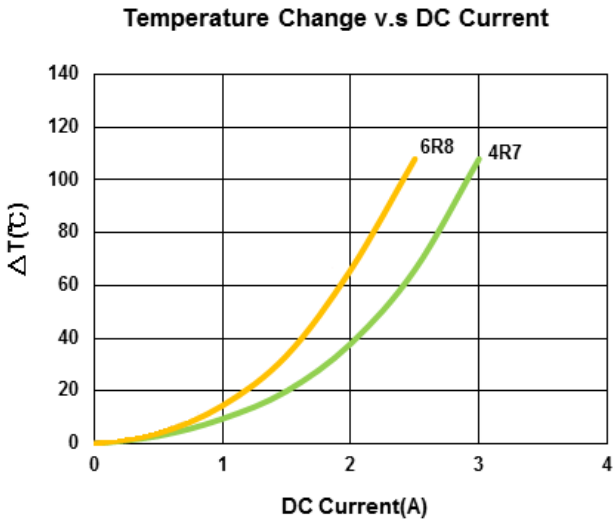
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRA000404151R0MA1 | 1.0 | 20 | 100 | 42 | 7 | 4 |
| BMRA000404151R5MA1 | 1.5 | 20 | 100 | 50 | 6 | 3.5 |
| BMRA000404152R2MA1 | 2.2 | 20 | 100 | 79 | 5 | 3 |
| BMRA000404153R3MA1 | 3.3 | 20 | 100 | 132 | 4.5 | 2.3 |
| BMRA000404154R7MA1 | 4.7 | 20 | 100 | 146 | 4 | 2 |

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

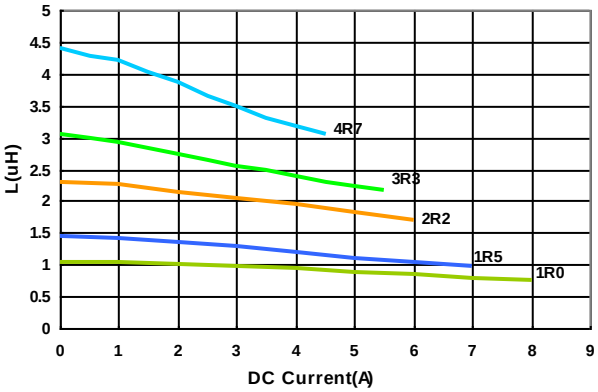
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

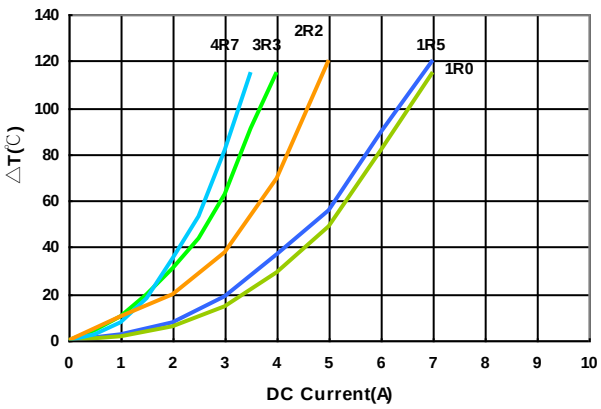
  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer

**Inductance vs DC Current**




**Temperature Change v.s DC Current**




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRA00040420R10MA1 | 0.10 | 20 | 100 | 4 | 25 | 12.0 |
| BMRA00040420R22MA1 | 0.22 | 20 | 100 | 6.6 | 12.5 | 9.0 |
| BMRA00040420R47MA1 | 0.47 | 20 | 100 | 14 | 9.5 | 7.0 |
| BMRA00040420R56MA1 | 0.56 | 20 | 100 | 16 | 10.0 | 6.5 |
| BMRA00040420R68MA1 | 0.68 | 20 | 100 | 21 | 8.0 | 5.2 |
| BMRA000404201R0MA1 | 1.0 | 20 | 100 | 27 | 7.0 | 4.5 |
| BMRA000404201R5MA1 | 1.5 | 20 | 100 | 46 | 6.0 | 4.0 |
| BMRA000404202R2MA1 | 2.2 | 20 | 100 | 58 | 5.0 | 3.0 |
| BMRA000404203R3MA1 | 3.3 | 20 | 100 | 87 | 4.0 | 2.5 |
| BMRA000404204R7MA1 | 4.7 | 20 | 100 | 126 | 3.0 | 2.2 |
| BMRA000404206R8MA1 | 6.8 | 20 | 100 | 135 | 2.5 | 2.0 |
| BMRA000404208R2MA1 | 8.2 | 20 | 100 | 216 | 2.5 | 2.0 |
| BMRA00040420100MA1 | 10 | 20 | 100 | 258 | 2.0 | 1.6 |

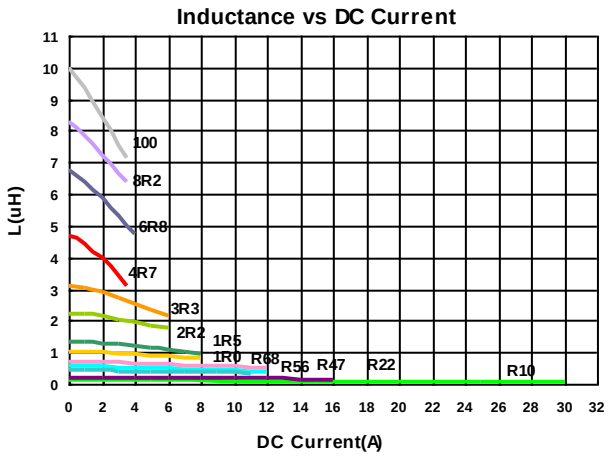
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

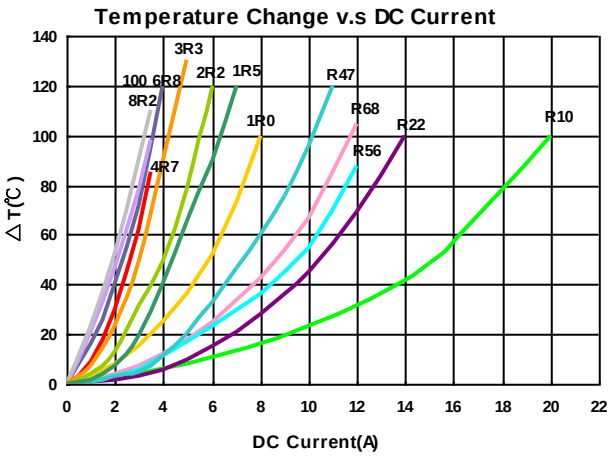
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100KHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat(A) Max(Typ.) | Irms(A) Max(Typ.) |
|---|---|---|---|---|---|---|
| BMRA000505124R7MB1 | 4.7 | 20 | 100 | 163(144) | 2.9(3.5) | 2(2.3) |
| BMRA000505126R8MB1 | 6.8 | 20 | 100 | 245(220) | 2.2(2.4) | 1.85(2) |

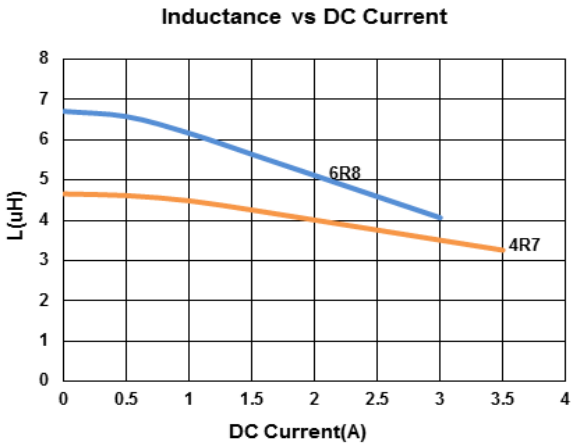
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

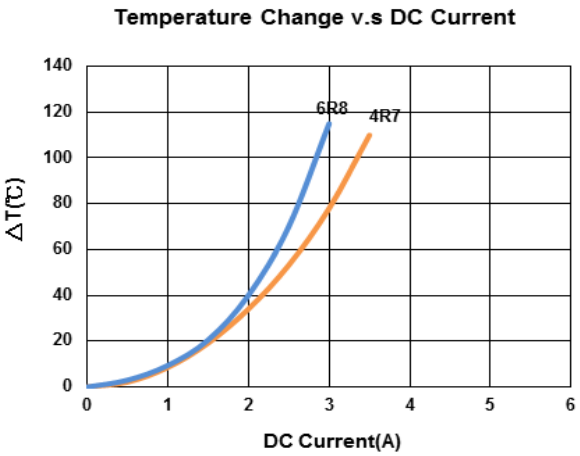
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

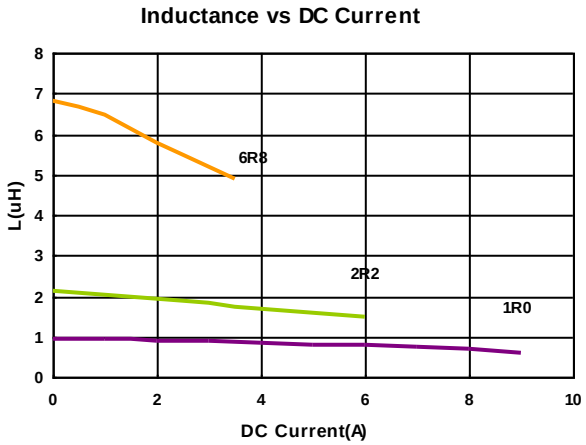
## Electrical Characteristics

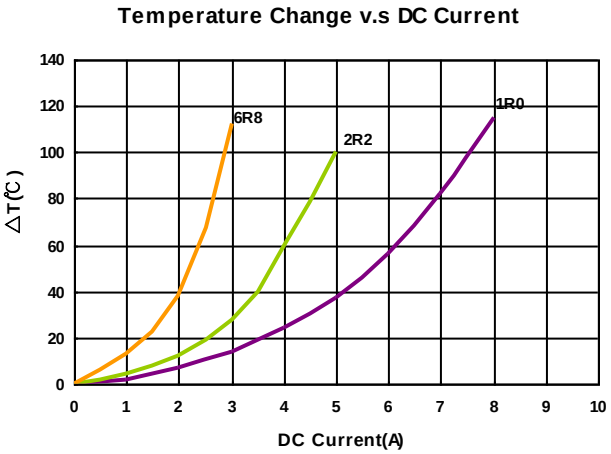
| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB000505121R0MA1 | 1.0 | 20 | 100 | 30 | 6.0 | 5.0 |
| BMRB000505122R2MA1 | 2.2 | 20 | 100 | 76 | 4.0 | 3.5 |
| BMRB000505126R8MA1 | 6.8 | 20 | 100 | 250 | 2.3 | 2.0 |

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：
  L：WK 3260B or WK 6500P, 100kHz 0.5V
  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat(A) Max(Typ.) | Irms(A) Max(Typ.) |
|---|---|---|---|---|---|---|
| BMRB000505124R7MB1 | 4.7 | 20 | 100 | 135(110) | 3.2(3.7) | 2.7(3) |

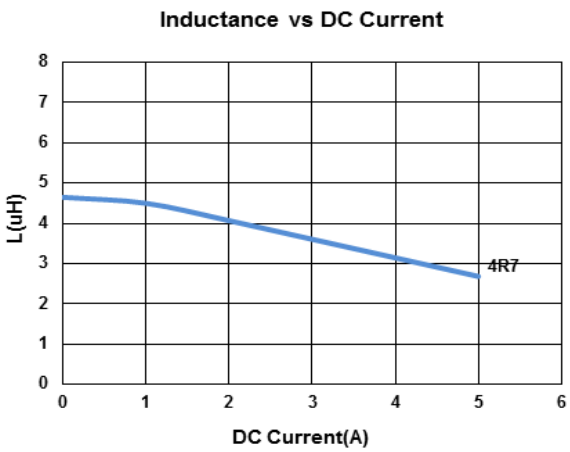
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

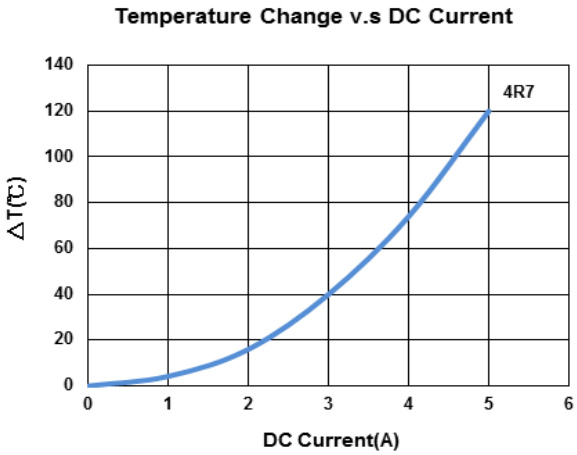
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRA00050515R47MA1 | 0.47 | 20 | 100 | 16 | 12 | 8.0 |
| BMRA00050515R68MA1 | 0.68 | 20 | 100 | 23 | 10 | 6.0 |
| BMRA000505151R0MA1 | 1.0 | 20 | 100 | 33 | 8.0 | 5.0 |
| BMRA000505151R5MA1 | 1.5 | 20 | 100 | 50 | 6.0 | 4.0 |
| BMRA000505152R2MA1 | 2.2 | 20 | 100 | 68 | 6.0 | 3.3 |
| BMRA000505153R3MA1 | 3.3 | 20 | 100 | 84 | 5.0 | 3.0 |
| BMRA000505154R7MA1 | 4.7 | 20 | 100 | 135 | 4.0 | 2.5 |
| BMRA000505155R6MA1 | 5.6 | 20 | 100 | 175 | 3.5 | 2.2 |
| BMRA000505156R8MA1 | 6.8 | 20 | 100 | 192 | 3.0 | 2.0 |
| BMRA00050515100MA1 | 10 | 20 | 100 | 195 | 2.0 | 1.5 |

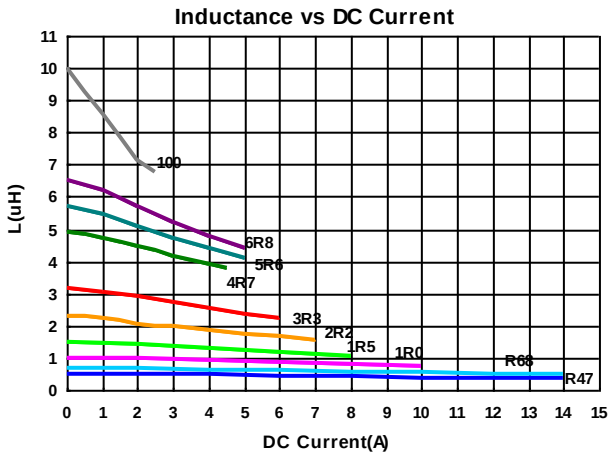
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

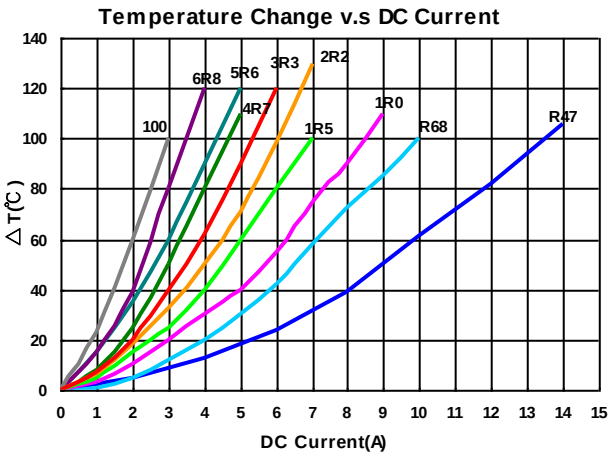
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

CHILISIN ELECTRONICS CORP.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB000505151R0MA1 | 1.0 | 20 | 100 | 23 | 9 | 6.5 |
| BMRB000505152R2MA1 | 2.2 | 20 | 100 | 64 | 6 | 3.3 |
| BMRB000505154R7MA1 | 4.7 | 20 | 100 | 106 | 4 | 3.0 |
| BMRB00050515100MA1 | 10 | 20 | 100 | 170 | 3 | 2.0 |

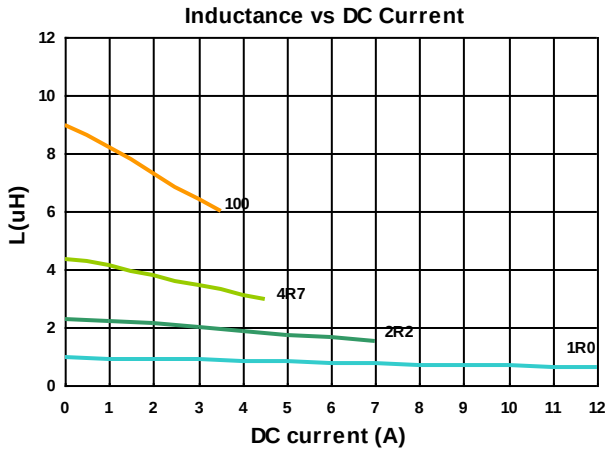
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

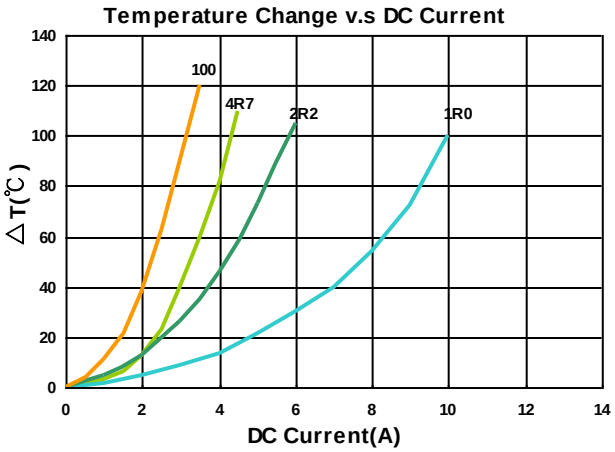
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ) | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB00050518R47MB1 | 0.47 | 20 | 100 | 8.5(7.6) | 15.5 | 10.5 |
| BMRB00050518R68MB1 | 0.68 | 20 | 100 | 13.8(12) | 13 | 9 |
| BMRB000505181R0MB1 | 1.0 | 20 | 100 | 18(15) | 10 | 8 |
| BMRB000505181R5MB1 | 1.5 | 20 | 100 | 28(23) | 9 | 6.2 |

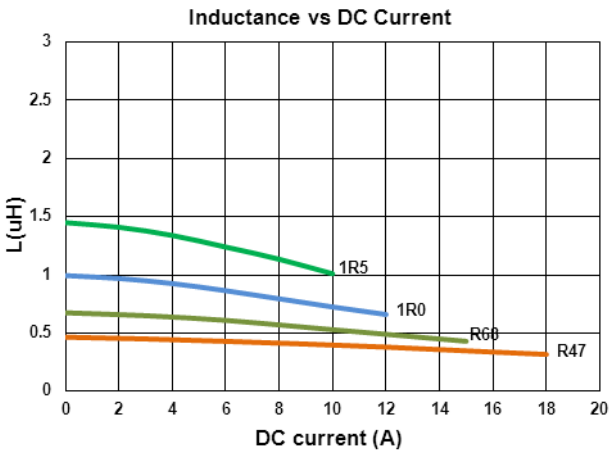
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

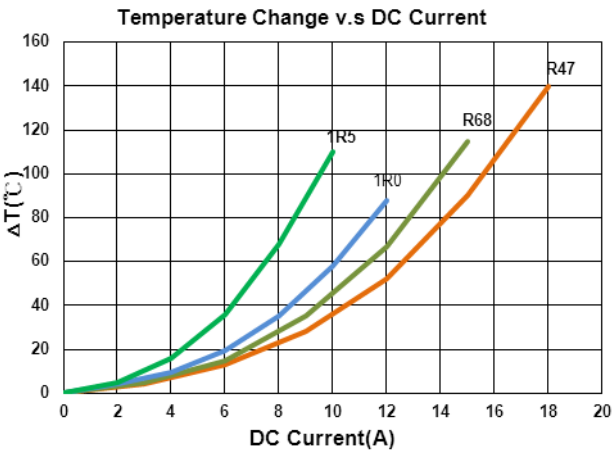
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB00050518R47MA1 | 0.47 | 20 | 100 | 9.0 | 15.5 | 10.5 |
| BMRB000505181R0MA1 | 1.0 | 20 | 100 | 17 | 9.0 | 8.0 |
| BMRB000505182R2MA1 | 2.2 | 20 | 100 | 35 | 6.5 | 5.0 |
| BMRB000505183R3MA1 | 3.3 | 20 | 100 | 58 | 5.0 | 4.5 |
| BMRB000505184R7MA1 | 4.7 | 20 | 100 | 85 | 4.0 | 3.5 |
| BMRB000505186R8MA1 | 6.8 | 20 | 100 | 120 | 3.4 | 2.8 |
| BMRB00050518100MA1 | 10 | 20 | 100 | 155 | 3.0 | 2.5 |

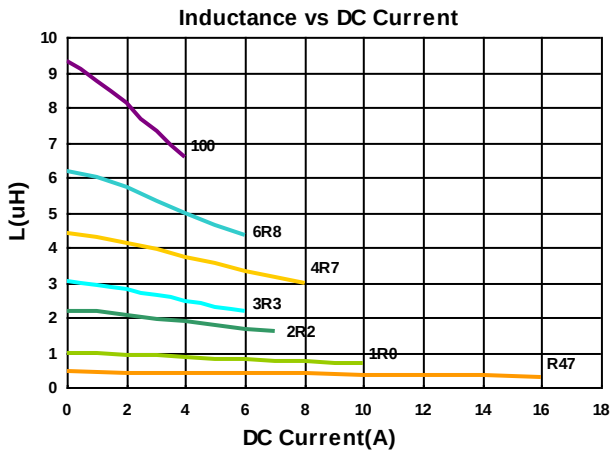
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

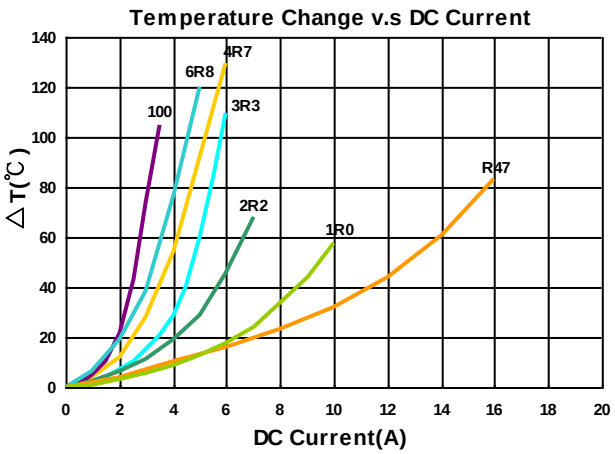
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRA00050520R47MA1 | 0.47 | 20 | 100 | 9 | 15.5 | 10.5 |
| BMRA000505201R0MA1 | 1.0 | 20 | 100 | 30 | 7.0 | 6.0 |
| BMRA000505201R5MA1 | 1.5 | 20 | 100 | 35 | 6.5 | 5.5 |
| BMRA000505202R2MA1 | 2.2 | 20 | 100 | 45 | 6.0 | 4.0 |
| BMRA000505203R3MA1 | 3.3 | 20 | 100 | 60 | 5.5 | 3.5 |
| BMRA000505204R7MA1 | 4.7 | 20 | 100 | 90 | 5.0 | 3.0 |
| BMRA000505205R6MA1 | 5.6 | 20 | 100 | 120 | 4.5 | 2.8 |
| BMRA000505206R8MA1 | 6.8 | 20 | 100 | 125 | 4.5 | 2.8 |
| BMRA00050520100MA1 | 10 | 20 | 100 | 180 | 4.0 | 2.3 |

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

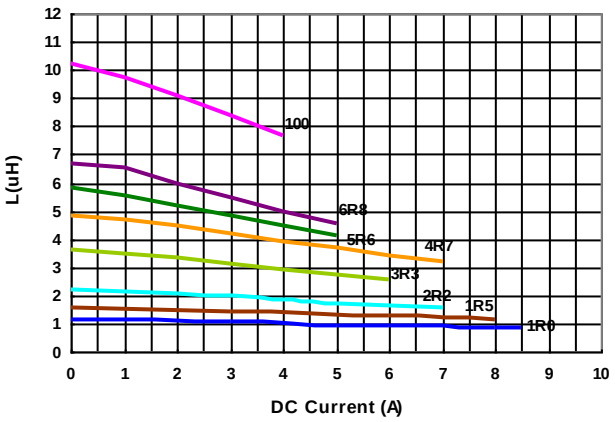
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

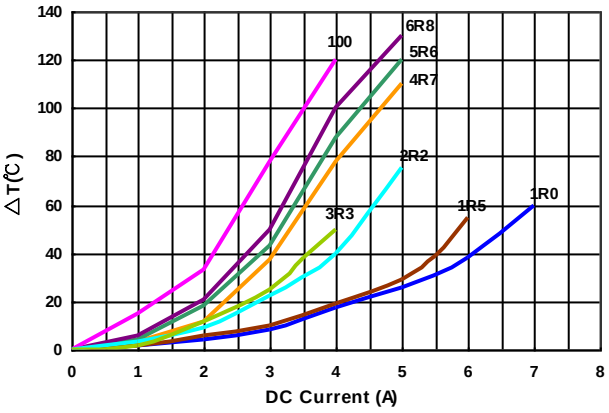
  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer

**Inductance v.s DC Current**




**Temperature Change v.s DC Current**




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ)Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRA00050530R20MA1 | 0.20 | 20 | 100 | 3.9 | 14.5 | 17.0 |
| BMRA00050530R47MA1 | 0.47 | 20 | 100 | 8 | 14 | 10.0 |
| BMRA00050530R68MA1 | 0.68 | 20 | 100 | 12 | 14 | 8.0 |
| BMRA000505301R0MA1 | 1.0 | 20 | 100 | 15 | 11 | 7.0 |
| BMRA000505301R2MA1 | 1.2 | 20 | 100 | 15 | 11 | 6.5 |
| BMRA000505301R5MA1 | 1.5 | 20 | 100 | 25 | 10 | 6.0 |
| BMRA000505302R2MA1 | 2.2 | 20 | 100 | 35 | 8 | 5.0 |
| BMRA000505303R3MA1 | 3.3 | 20 | 100 | 46 | 7 | 4.5 |
| BMRA000505304R7MA1 | 4.7 | 20 | 100 | 60 | 6 | 4.0 |
| BMRA000505306R8MA1 | 6.8 | 20 | 100 | 110 | 5 | 3.0 |
| BMRA00050530100MA1 | 10 | 20 | 100 | 126 | 4.5 | 2.5 |

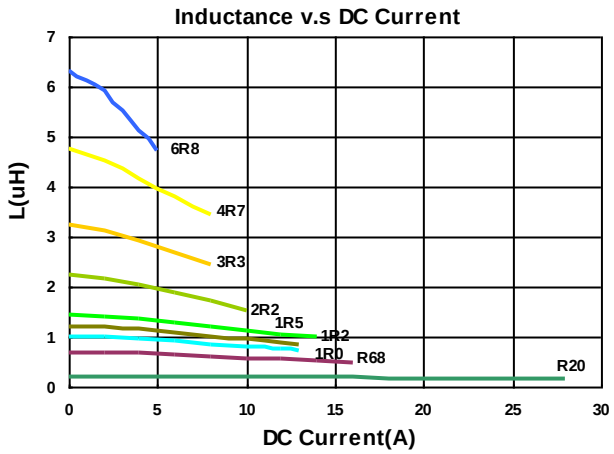
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

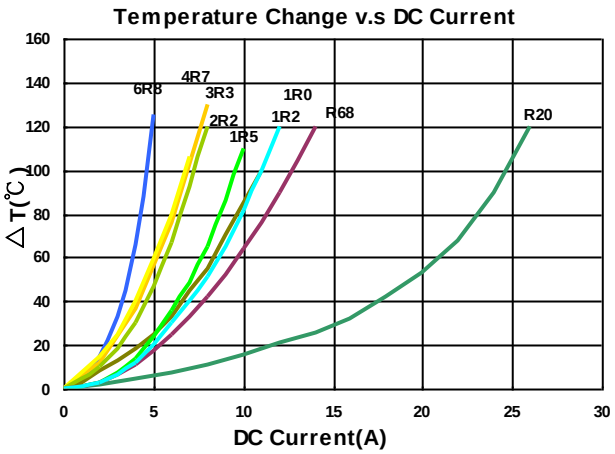
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

CHILISIN ELECTRONICS CORP.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB000606124R7MA1 | 4.7 | 20 | 100 | 122 | 3.5 | 2.5 |
| BMRB000606126R8MA1 | 6.8 | 20 | 100 | 210 | 2.8 | 2.2 |

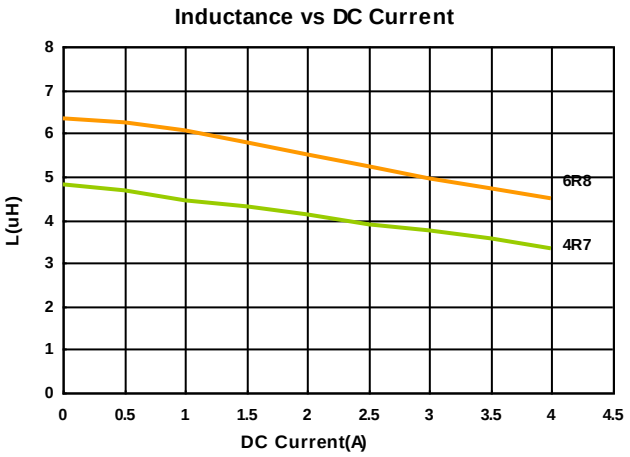
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

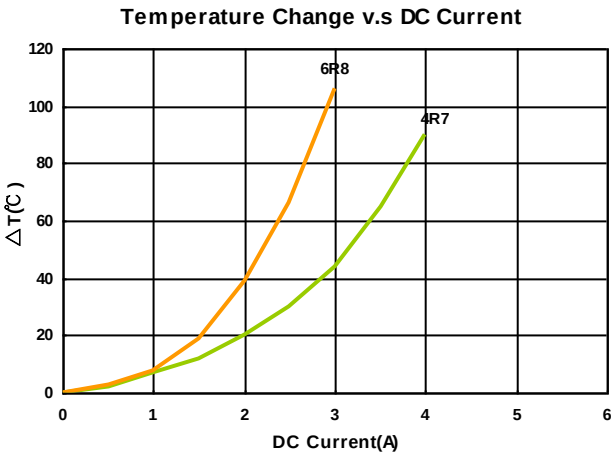
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ)Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRA000606152R2MA1 | 2.2 | 20 | 100 | 54 | 6.0 | 3.5 |
| BMRA000606153R3MA1 | 3.3 | 20 | 100 | 63 | 5.5 | 3.3 |
| BMRA000606154R7MA1 | 4.7 | 20 | 100 | 105 | 4.5 | 3.2 |
| BMRA000606156R8MA1 | 6.8 | 20 | 100 | 140 | 4.0 | 2.5 |

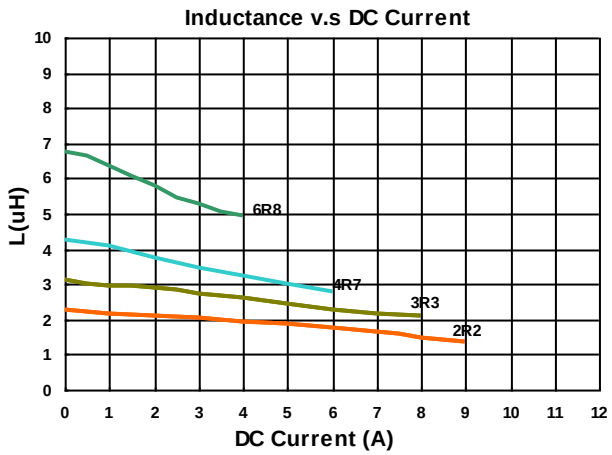
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

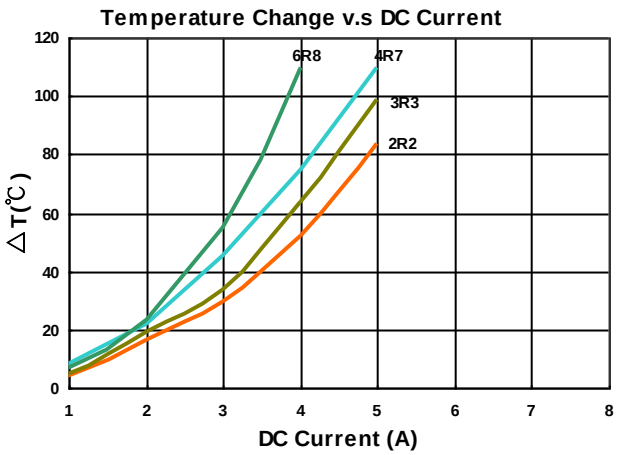
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ)Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB000606151R0MA1 | 1.0 | 20 | 100 | 21 | 9.0 | 5.5 |
| BMRB000606153R3MA1 | 3.3 | 20 | 100 | 63 | 5.5 | 3.3 |
| BMRB00060615100MA1 | 10 | 20 | 100 | 175 | 3.0 | 2.0 |

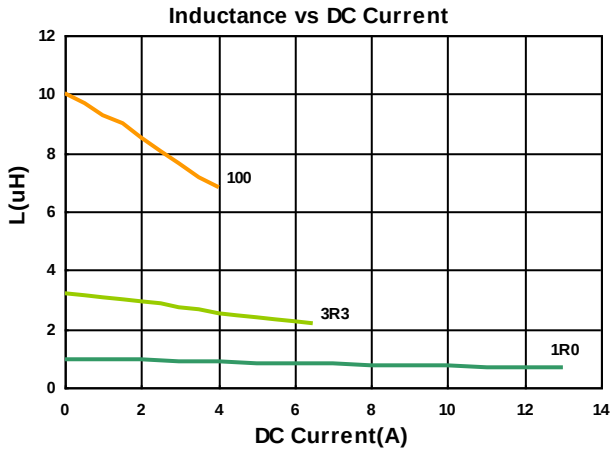
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

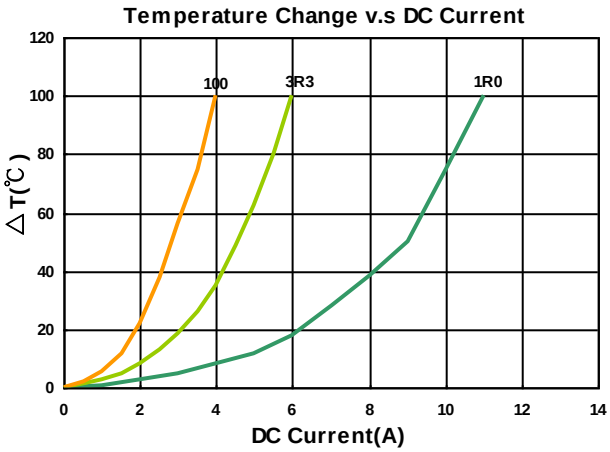
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ)Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB00060618R22MA1 | 0.22 | 20 | 100 | 5.2 | 29 | 14 |
| BMRB00060618R33MA1 | 0.33 | 20 | 100 | 6.8 | 22 | 12 |
| BMRB00060618R47MA1 | 0.47 | 20 | 100 | 8.4 | 18 | 11 |
| BMRB00060618R68MA1 | 0.68 | 20 | 100 | 12.7 | 17 | 9 |
| BMRB000606181R0MA1 | 1.0 | 20 | 100 | 17 | 14 | 7 |
| BMRB000606181R5MA1 | 1.5 | 20 | 100 | 26 | 12 | 6.5 |
| BMRB000606182R2MA1 | 2.2 | 20 | 100 | 35 | 10 | 6.0 |
| BMRB000606184R7MA1 | 4.7 | 20 | 100 | 70 | 5 | 3.5 |
| BMRB000606186R8MA1 | 6.8 | 20 | 100 | 110 | 3.5 | 2.8 |
| BMRB00060618100MA1 | 10 | 20 | 100 | 155 | 2.5 | 2.3 |

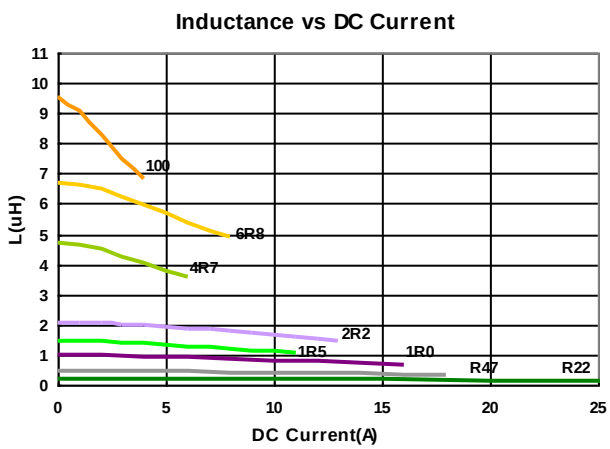
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

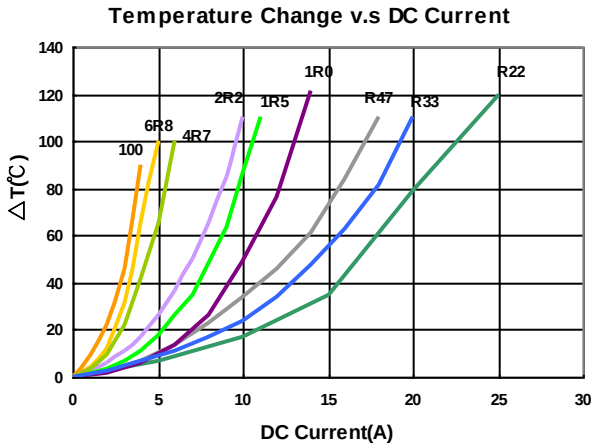
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

CHILISIN ELECTRONICS CORP.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ)Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB00060624R22MA1 | 0.22 | 20 | 100 | 3.2 | 34 | 21 |
| BMRB00060624R33MA1 | 0.33 | 20 | 100 | 4.1 | 24.5 | 18 |
| BMRB00060624R47MA1 | 0.47 | 20 | 100 | 5.1 | 22 | 15 |
| BMRB000606241R0MA1 | 1.0 | 20 | 100 | 13.5 | 16 | 9 |
| BMRB000606241R5MA1 | 1.5 | 20 | 100 | 20 | 15 | 9 |
| BMRB000606242R2MA1 | 2.2 | 20 | 100 | 28 | 11 | 7 |
| BMRB000606243R3MA1 | 3.3 | 20 | 100 | 39 | 10 | 5.5 |
| BMRB000606244R7MA1 | 4.7 | 20 | 100 | 50 | 10 | 5.0 |
| BMRB000606246R8MA1 | 6.8 | 20 | 100 | 70 | 6.0 | 4.0 |
| BMRB00060624100MA1 | 10 | 20 | 100 | 101 | 4.0 | 3.1 |
| BMRB00060624150MA1 | 15 | 20 | 100 | 160 | 3.3 | 2.5 |

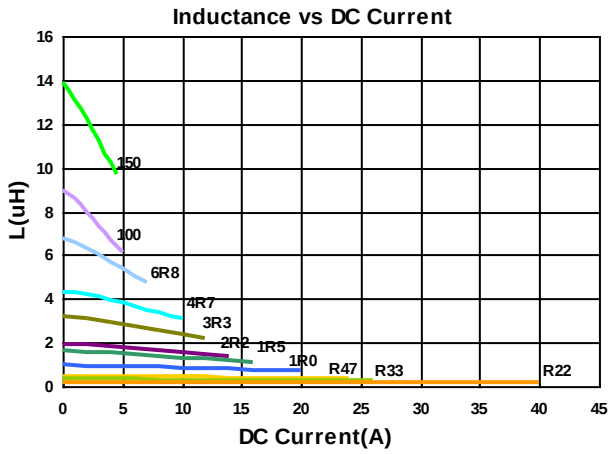
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

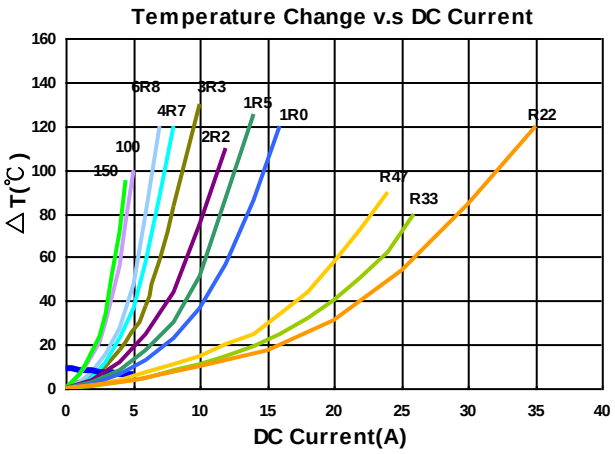
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

CHILISIN ELECTRONICS CORP.

## Electrical Characteristics

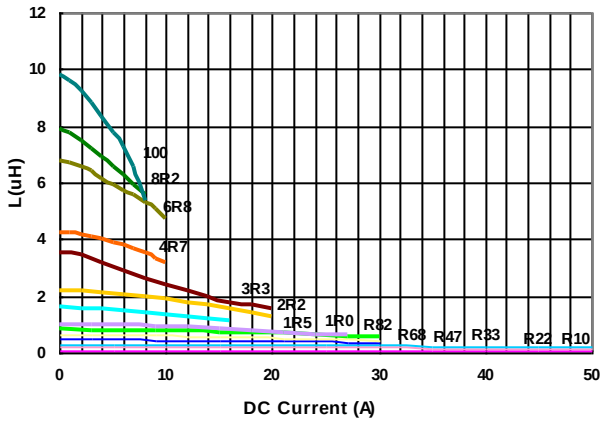
| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRA00060630R10MA1 | 0.10 | 20 | 100 | 1.5 | 45 | 37 |
| BMRA00060630R22MA1 | 0.22 | 20 | 100 | 2.8 | 40 | 23 |
| BMRA00060630R33MA1 | 0.33 | 20 | 100 | 4.2 | 33 | 20 |
| BMRA00060630R47MA1 | 0.47 | 20 | 100 | 5.5 | 27 | 16.5 |
| BMRA00060630R56MA1 | 0.56 | 20 | 100 | 5.5 | 27 | 16.5 |
| BMRA00060630R68MA1 | 0.68 | 20 | 100 | 6.3 | 24 | 15 |
| BMRA00060630R82MA1 | 0.82 | 20 | 100 | 8.0 | 23 | 13 |
| BMRA000606301R0MA1 | 1.0 | 20 | 100 | 10 | 22 | 12 |
| BMRA000606301R5MA1 | 1.5 | 20 | 100 | 15 | 18 | 9.5 |
| BMRA000606301R8MA1 | 1.8 | 20 | 100 | 15 | 14 | 9.5 |
| BMRA000606302R2MA1 | 2.2 | 20 | 100 | 20 | 14 | 8.5 |
| BMRA000606303R3MA1 | 3.3 | 20 | 100 | 35 | 12 | 6.0 |
| BMRA000606304R7MA1 | 4.7 | 20 | 100 | 40 | 9 | 5.5 |
| BMRA000606305R6MA1 | 5.6 | 20 | 100 | 40 | 8 | 5.5 |
| BMRA000606306R8MA1 | 6.8 | 20 | 100 | 60 | 8 | 4.5 |
| BMRF000606308R2MA1 | 8.2 | 20 | 100 | 60 | 6 | 4.5 |
| BMRF00060630100MA1 | 10 | 20 | 100 | 68 | 5.5 | 4.0 |
| BMRA00060630150MA1 | 15 | 20 | 100 | 122 | 5.0 | 3.0 |
| BMRA00060630220MA1 | 22 | 20 | 100 | 145 | 3.2 | 3.0 |
| BMRA00060630330MA1 | 33 | 20 | 100 | 270 | 3.0 | 2.0 |

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

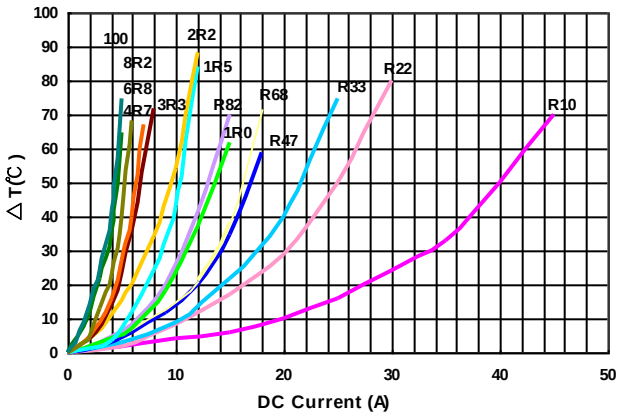
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：
  L：WK 3260B or WK 6500P, 100kHz 0.5V
  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer

**Inductance v.s DC Current**




**Temperature Change v.s DC Current**




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ)Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB00060630R10MA1 | 0.10 | 20 | 100 | 1.7 | 60 | 32.5 |
| BMRB00060630R15MA1 | 0.15 | 20 | 100 | 2.5 | 40 | 30 |
| BMRB00060630R22MA1 | 0.22 | 20 | 100 | 3.0 | 34 | 23 |
| BMRB00060630R33MA1 | 0.33 | 20 | 100 | 3.5 | 25 | 21 |
| BMRB00060630R36MA1 | 0.36 | 20 | 100 | 3.9 | 24 | 20 |
| BMRB00060630R47MA1 | 0.47 | 20 | 100 | 4.1 | 20 | 18 |
| BMRB00060630R56MA1 | 0.56 | 20 | 100 | 4.5 | 18 | 16.5 |
| BMRB00060630R68MA1 | 0.68 | 20 | 100 | 5.3 | 17 | 16 |
| BMRB00060630R82MA1 | 0.82 | 20 | 100 | 6.0 | 16 | 14 |
| BMRB000606301R0MA1 | 1.0 | 20 | 100 | 7.4 | 15 | 12 |
| BMRB000606301R2MA1 | 1.2 | 20 | 100 | 10 | 14 | 10 |
| BMRB000606301R5MA1 | 1.5 | 20 | 100 | 12.1 | 14 | 10 |
| BMRB000606302R2MA1 | 2.2 | 20 | 100 | 15 | 10 | 8 |
| BMRB000606303R3MA1 | 3.3 | 20 | 100 | 22 | 9.5 | 6.5 |
| BMRB000606304R7MA1 | 4.7 | 20 | 100 | 33 | 6.5 | 5.5 |
| BMRB000606305R6MA1 | 5.6 | 20 | 100 | 42 | 6 | 5.5 |
| BMRB000606306R8MA1 | 6.8 | 20 | 100 | 50 | 6 | 4.5 |
| BMRB000606308R2MA1 | 8.2 | 20 | 100 | 60 | 6 | 4.5 |
| BMRB00060630100MA1 | 10 | 20 | 100 | 68 | 5.5 | 4 |

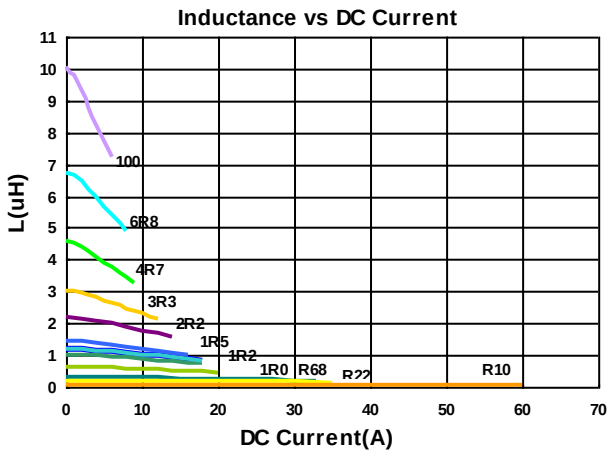
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

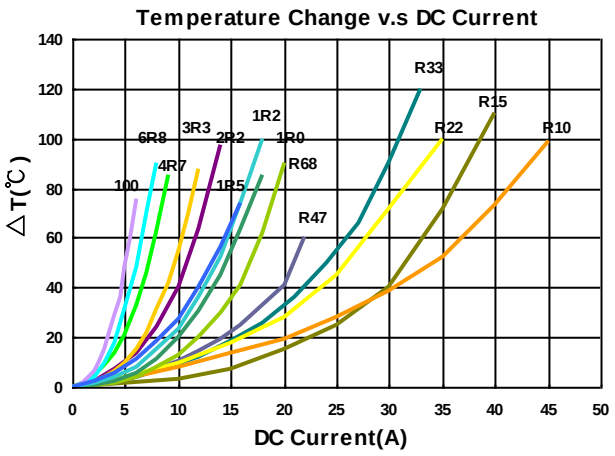
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRB00060650R56MA1 | 0.56 | 20 | 100 | 3.3 | 20 | 20 |
| BMRB000606501R0MA1 | 1.0 | 20 | 100 | 6.5 | 15 | 13 |
| BMRB000606502R2MA1 | 2.2 | 20 | 100 | 12.5 | 12 | 8 |
| BMRB000606503R3MA1 | 3.3 | 20 | 100 | 20.9 | 9 | 7 |
| BMRB000606504R7MA1 | 4.7 | 20 | 100 | 25.0 | 7 | 6.5 |

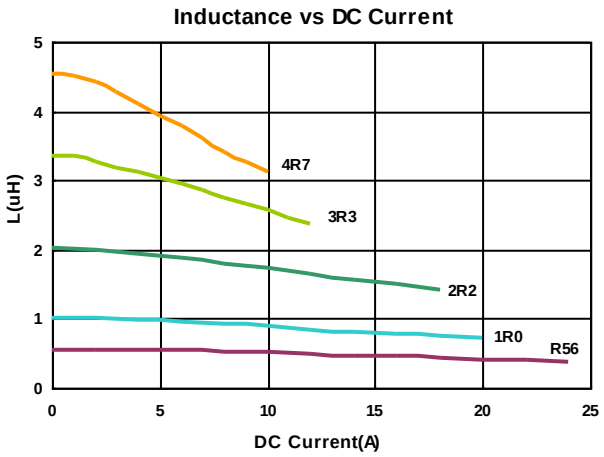
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

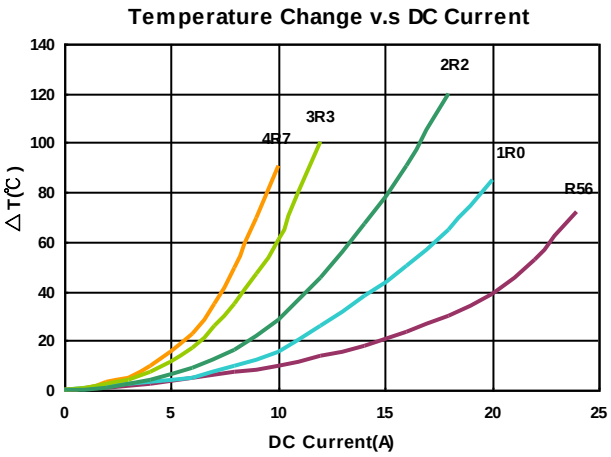
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

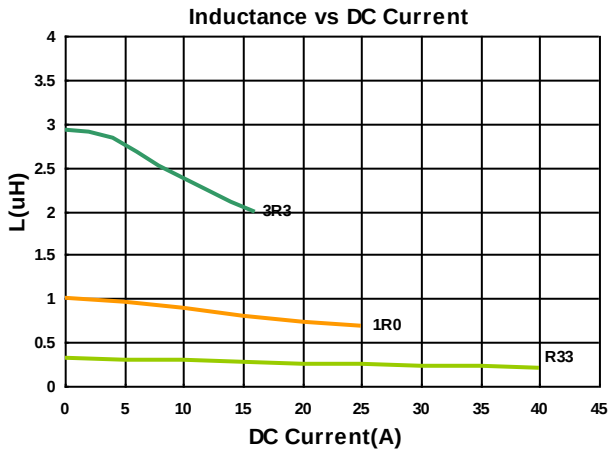
## Electrical Characteristics

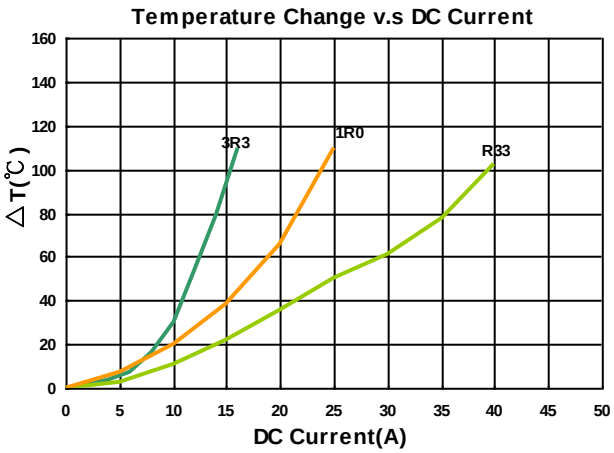
| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRG00101030R33MD1 | 0.33 | 20 | 100 | 1.6 | 32 | 23 |
| BMRG001010301R0MD1 | 1.0 | 20 | 100 | 6.0 | 21 | 15 |
| BMRG001010303R3MA1 | 3.3 | 20 | 100 | 16.0 | 14 | 9 |

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：
  L：WK 3260B or WK 6500P, 100kHz 0.5V
  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRF00101040R22MD1 | 0.22 | 20 | 100 | 0.6 | 45 | 35 |
| BMRF00101040R36MD1 | 0.36 | 20 | 100 | 1.2 | 42 | 34 |
| BMRF00101040R45MD1 | 0.45 | 20 | 100 | 1.2 | 38 | 33 |
| BMRF00101040R47MD1 | 0.47 | 20 | 100 | 1.2 | 38 | 33 |
| BMRF00101040R56MD1 | 0.56 | 20 | 100 | 1.55 | 32 | 27 |
| BMRF00101040R68MD1 | 0.68 | 20 | 100 | 1.55 | 30 | 27 |
| BMRF00101040R90MD1 | 0.9 | 20 | 100 | 3.0 | 20 | 22 |
| BMRF001010401R0MD1 | 1.0 | 20 | 100 | 3.1 | 26 | 20 |
| BMRF001010401R5MD1 | 1.5 | 20 | 100 | 4.2 | 22 | 16 |
| BMRF001010401R8MD1 | 1.8 | 20 | 100 | 5 | 16 | 15.3 |
| BMRF001010402R2MD1 | 2.2 | 20 | 100 | 7 | 16 | 14 |
| BMRF001010403R3MA1 | 3.3 | 20 | 100 | 13.2 | 12 | 11 |
| BMRF001010404R7MA1 | 4.7 | 20 | 100 | 16.5 | 12 | 9 |
| BMRF001010406R8MA1 | 6.8 | 20 | 100 | 25 | 10 | 6 |
| BMRF001010408R2MA1 | 8.2 | 20 | 100 | 30 | 9 | 6 |
| BMRF00101040100MA1 | 10 | 20 | 100 | 30 | 7 | 6.5 |
| BMRF00101040150MA1 | 15 | 20 | 100 | 45 | 6 | 6.25 |
| BMRF00101040220MA1 | 22 | 20 | 100 | 64 | 4.5 | 4.5 |

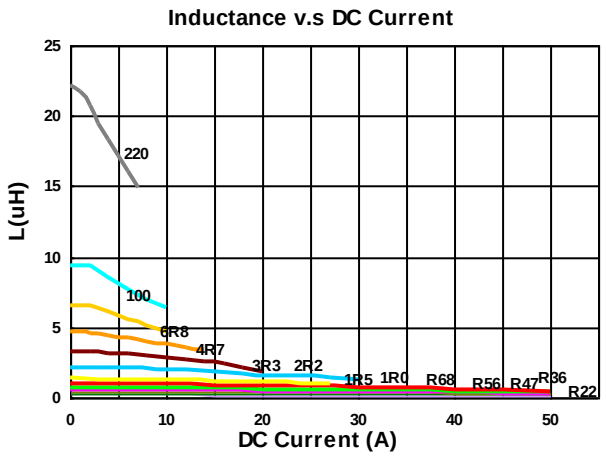
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

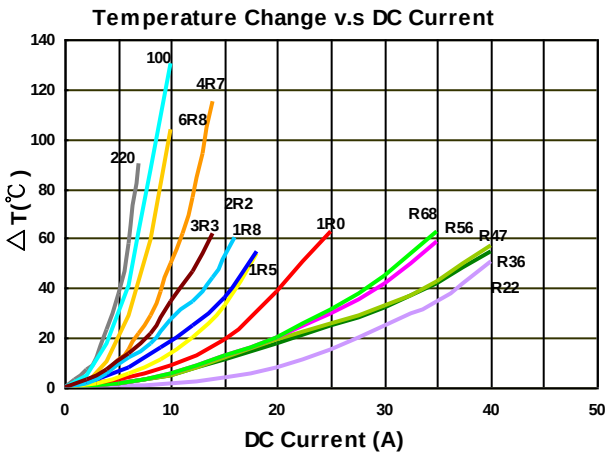
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRF00131350R47MD1 | 0.47 | 20 | 100 | 1.2 | 46 | 37 |
| BMRF001313501R0MD1 | 1.0 | 20 | 100 | 2.5 | 37 | 29 |
| BMRF001313501R5MD1 | 1.5 | 20 | 100 | 3.0 | 28 | 28 |
| BMRF001313504R7MD1 | 4.7 | 20 | 100 | 11.5 | 16 | 11 |
| BMRF001313506R8MA1 | 6.8 | 20 | 100 | 22 | 14 | 9 |
| BMRF00131350100MA1 | 10 | 20 | 100 | 35 | 13 | 7 |

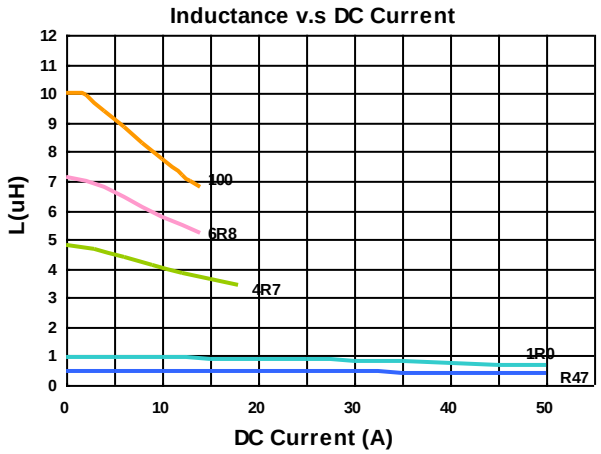
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

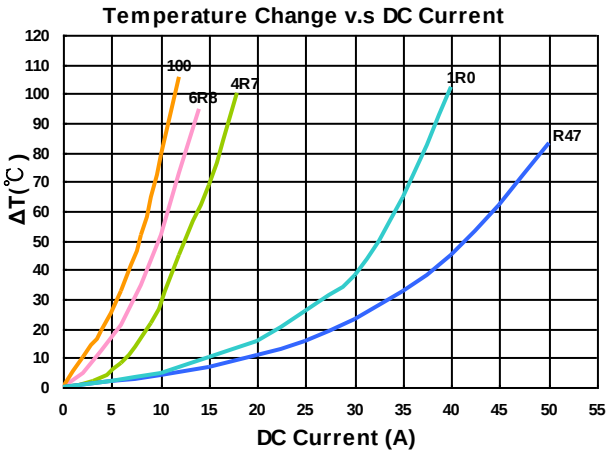
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

CHILISIN ELECTRONICS CORP.

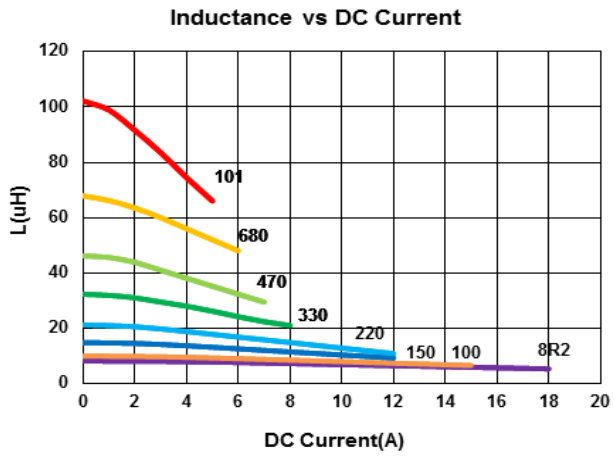
## Electrical Characteristics

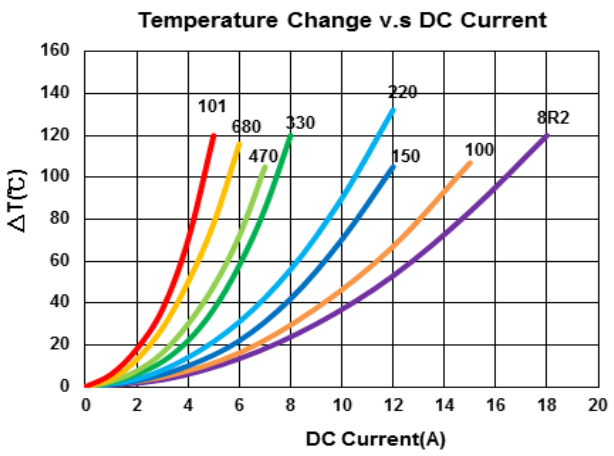
| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat(A) Max(Typ.) | Irms(A) Max(Typ.) |
|---|---|---|---|---|---|---|
| BMRF001313608R2MA1 | 8.2 | 20 | 100 | 16(13.5) | 13.5(16) | 10(11) |
| BMRF00131360100MA1 | 10 | 20 | 100 | 20.7(17.7) | 11.5(13.5) | 9.5(10) |
| BMRF00131360150MA1 | 15 | 20 | 100 | 27.5(24) | 9(10) | 7(8) |
| BMRF00131360220MA1 | 22 | 20 | 100 | 39(33) | 6.9(7.6) | 6.5(7) |
| BMRF00131360330MA1 | 33 | 20 | 100 | 70(60) | 5.4(6.1) | 4.7(5) |
| BMRF00131360470MA1 | 47 | 20 | 100 | 88(78) | 5.2(5.7) | 4(4.5) |
| BMRF00131360680MA1 | 68 | 20 | 100 | 140(119.5) | 4.7(5.5) | 3(3.5) |
| BMRF00131360101MA1 | 100 | 20 | 100 | 198(178) | 3.5(4) | 2.7(3) |

**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：
  L：WK 3260B or WK 6500P, 100kHz 0.5V
  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company
CHILISIN ELECTRONICS CORP.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ) Max | Isat (A)Typ. | Irms (A)Typ. |
|---|---|---|---|---|---|---|
| BMRG00131360100MA1 | 10 | 20 | 100 | 20.7 | 12.5 | 10 |
| BMRG00131360150MA1 | 15 | 20 | 100 | 29.0 | 9.0 | 6.0 |
| BMRG00131360220MA1 | 22 | 20 | 100 | 39.5 | 7.5 | 5.0 |
| BMRG00131360330MA1 | 33 | 20 | 100 | 75 | 6.0 | 4.0 |

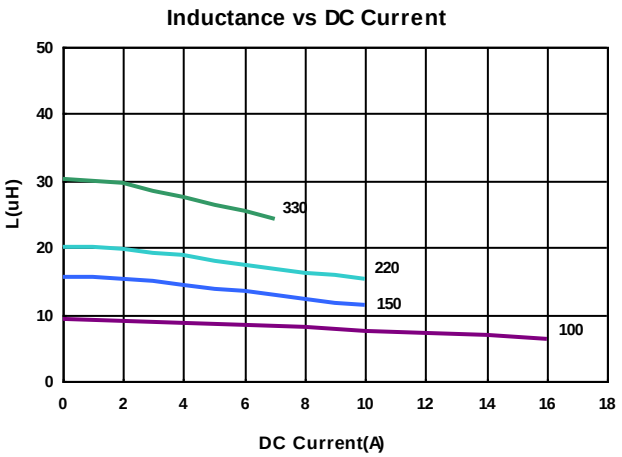
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

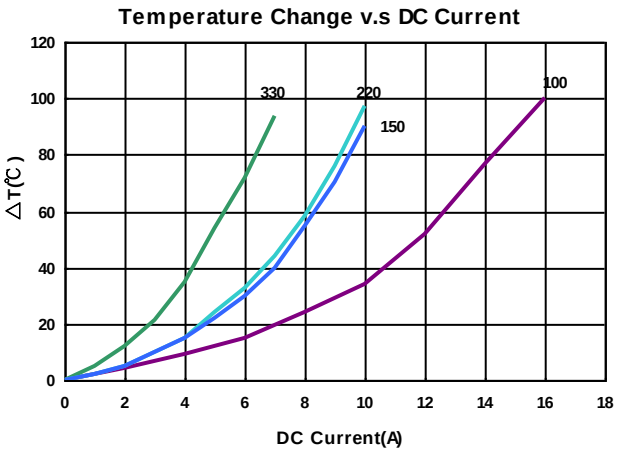
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer




Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

CHILISIN ELECTRONICS CORP.

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat(A) Max(Typ.) | Irms(A) Max(Typ.) |
|---|---|---|---|---|---|---|
| BMRF001717708R2MB1 | 8.2 | 20 | 100 | 8.6(8) | 20(22) | 15(16) |
| BMRF00171770150MB1 | 15 | 20 | 100 | 15.3(13.8) | 13.5(15.5) | 11(12) |
| BMRF00171770220MB1 | 22 | 20 | 100 | 23(20) | 10.5(12) | 8.7(9.7) |
| BMRF00171770330MB1 | 33 | 20 | 100 | 37(32) | 8.6(10.5) | 8(9.2) |
| BMRF00171770470MB1 | 47 | 20 | 100 | 47(40) | 7.5(8.5) | 6(6.8) |
| BMRF00171770680MB1 | 68 | 20 | 100 | 85(73) | 6.8(8) | 4.7(5.2) |

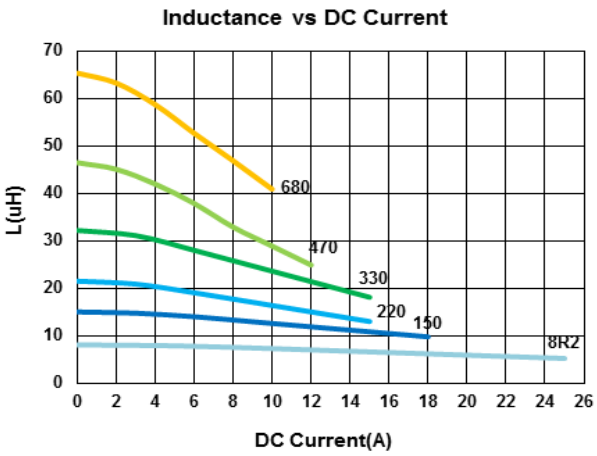
**Note: When ordering, please specify tolerance code. Tolerance: M=±20%**

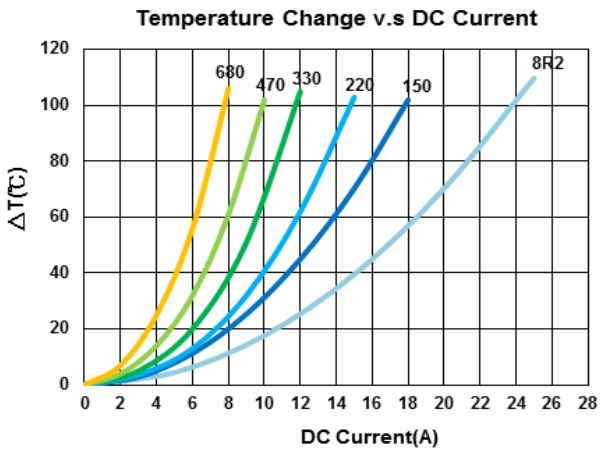
- Operating temperature range－55℃～125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Absolute maximum voltage 30VDC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.5V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

**Test Instruments**：WK3260B Impedance / Material Analyzer

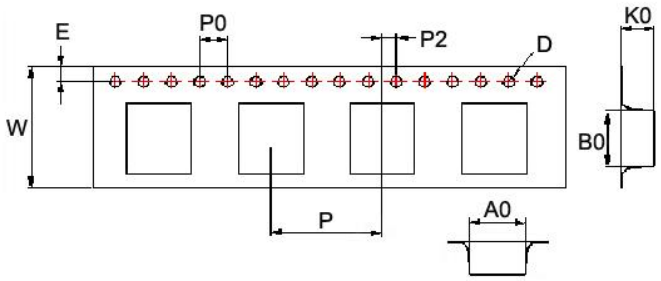


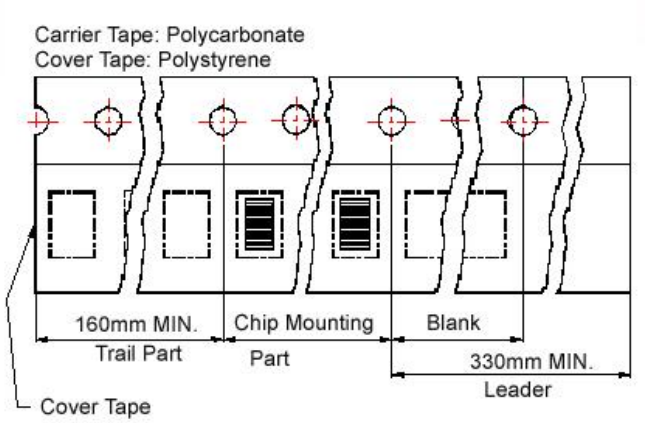

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

## Packaging Specifications

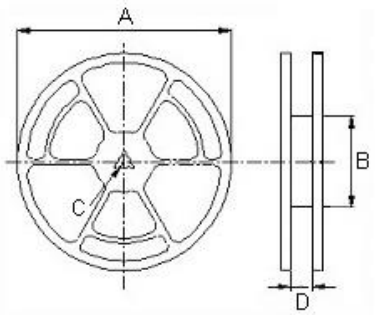
### Tape Dimensions




### Tape Material




### Reel Dimensions




**Dimensions in mm**

| TYPE | Tape Dimensions | | | | | | | | | Reel Dimensions | | | | Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A0 | B0 | K0 | D | E | W | P | P0 | P2 | A | B | C | D | PCS / REEL |
| BMRx00040412 | 4.3 | 4.9 | 1.5 | 1.55 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 13 | 13.4 | 2000 |
| BMRA00040415 | 4.4 | 4.9 | 1.8 | 1.55 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 13 | 13.4 | 2000 |
| BMRA00040420 | 4.3 | 4.9 | 2.4 | 1.55 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 13 | 13.4 | 2000 |
| BMRB00050512 | 5.9 | 6.2 | 1.5 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRx00050512-B | 5.5 | 6.0 | 1.5 | 1.55 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 13 | 13.4 | 1000 |
| BMRx00050515 | 5.7 | 6.1 | 1.9 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRB00050518-B | 5.5 | 6.0 | 2.2 | 1.55 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 13 | 13.4 | 1000 |
| BMRB00050518 | 5.9 | 6.2 | 2.2 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRA00050520 | 5.7 | 5.9 | 2.4 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRA00050530 | 5.9 | 6.2 | 3.4 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRB00060612 | 6.9 | 7.6 | 1.6 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRx00060615 | 6.9 | 7.6 | 2.1 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRB00060618 | 6.9 | 7.6 | 2.1 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRB00066024 | 7.0 | 7.6 | 2.7 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRx00060630 | 6.9 | 7.6 | 3.4 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRB00060650 | 6.9 | 7.6 | 5.4 | 1.55 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 13 | 16.0 | 1000 |
| BMRG00101030 | 10.6 | 11.7 | 3.25 | 1.55 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 13 | 24.4 | 500 |
| BMRF00101040 | 10.6 | 11.7 | 4.25 | 1.55 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 13 | 24.4 | 500 |
| BMRF00131350 | 13 | 14 | 5.25 | 1.55 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 13 | 24.4 | 500 |
| BMRx00131360 | 13 | 14 | 6.25 | 1.55 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 13 | 24.4 | 500 |
| BMRF00171770 | 17.6 | 18.7 | 7.25 | 1.55 | 1.75 | 32 | 24 | 4 | 2 | 330 | 100 | 13 | 32 | 200 |

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## Pulse Electronics:

BSPQ000603041N4B00 PA0369NL PA4343.361NLT PD380-4000S1NF PA2744NL PA4320.104NLT PA4341.221NLT BBUP00201209121Y00 DPX1608LKF3R2460A JXD0-2015NL PA4343.451NLT ANT1204F007R0870A AWCS0012070736NJ00 P0585NL PE-67100NL PE-68386NLT BDHE002520122R2MQ1 BSPQ000603043N0B00 PA4341.301NLT PG2290.151HLT PGL6395.121HLT W3078 PAT6261.003NLT PD617-6000M243 W1902 W1093 E5J88-032-02-L JXD2-0Z10NL PA4320.334NLT W3334B0150