Innovative Service Around the Globe YAGEO

# DATA SHEET

## INDUCTOR

### Power Inductors

BMMA Series

**RoHS compliant & Halogen Free**

YAGEO

Product specification – June 28, 2021 V.0

# Molding Power Inductors – BMMA Series

## BMMA Series


BMMA 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.

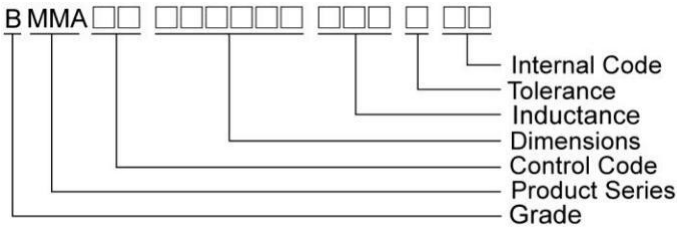
### Features

- RoHS, Halogen Free and REACH Compliance
- Low resistance and high current rating
- Magnetic core made by high performance magnetic powder

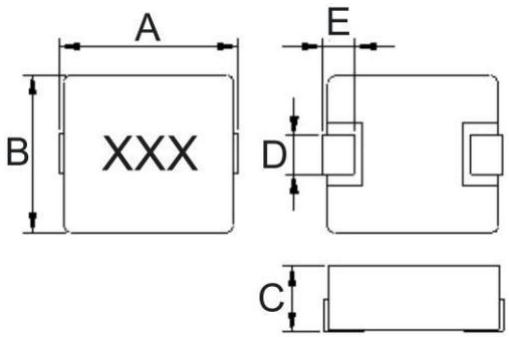
### Applications

- Laptop and desktop applications
- High current power supplies
- PMIC
- DC/DC converters

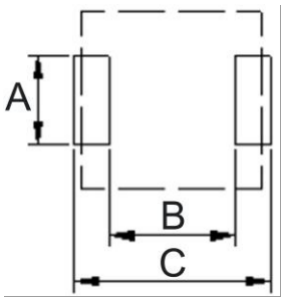
### Product Identification




### Shape and Dimensions




### Recommended Pattern




Dimensions in mm

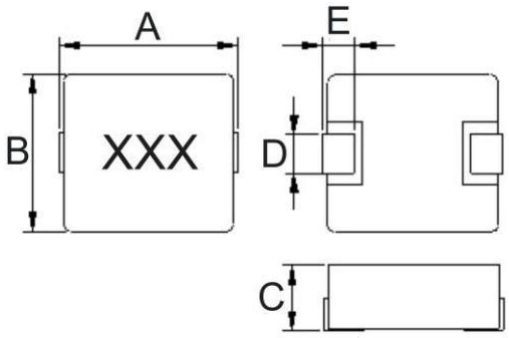
| TYPE | A | B | C | D | E |
|---|---|---|---|---|---|
| BMMA00040412-X2 | 4.45±0.25 | 4.06±0.25 | 1.2Max | 2.0±0.3 | 0.76±0.3 |
| BMMA00040412-V1 | 4.45±0.25 | 4.06±0.25 | 1.2Max | 2.0±0.3 | 0.76±0.3 |
| BMMA00040420-X2 | 4.45±0.25 | 4.06±0.25 | 2.0Max | 2.0±0.3 | 0.76±0.3 |
| BMMA00040420-V1 | 4.45±0.25 | 4.06±0.25 | 2.0Max | 2.0±0.3 | 0.76±0.3 |
| BMMA00040420-I8 | 4.45±0.25 | 4.06±0.25 | 2.0Max | 2.0±0.3 | 0.76±0.3 |
| BMMA00050512-V1 | 5.49±0.25 | 5.18±0.22 | 1.2Max | 2.0±0.3 | 1.0±0.3 |
| BMMA00050518-X2 | 5.49±0.25 | 5.18±0.22 | 1.8Max | 2.0±0.3 | 1.0±0.3 |
| BMMA00050520-X1 | 5.49±0.25 | 5.18±0.25 | 2.0Max | 2.0±0.3 | 1.02±0.3 |
| BMMA00050520-V1 | 5.49±0.25 | 5.18±0.22 | 2.0Max | 2.0±0.3 | 1.0±0.3 |

Dimensions in mm

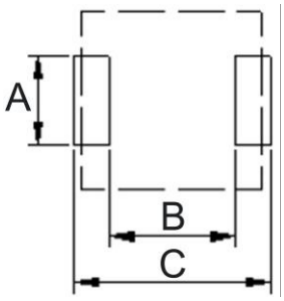
| TYPE | A | B | C |
|---|---|---|---|
| BMMA00040412-X2 | 2.5 | 2.2 | 5.2 |
| BMMA00040412-V1 | 2.3 | 1.65 | 4.95 |
| BMMA00040420-X2 | 2.5 | 2.2 | 5.2 |
| BMMA00040420-V1 | 2.3 | 1.65 | 4.95 |
| BMMA00040420-I8 | 2.3 | 1.65 | 4.95 |
| BMMA00050512-V1 | 2.79 | 2.16 | 5.99 |
| BMMA00050518-X2 | 2.5 | 2.2 | 5.99 |
| BMMA00050520-X1 | 2.79 | 2.16 | 5.99 |
| BMMA00050520-V1 | 2.79 | 2.16 | 5.99 |

# Molding Power Inductors – BMMA Series

## Shape and Dimensions




## Recommended Pattern




Dimensions in mm

| TYPE | A | B | C | D | E |
|---|---|---|---|---|---|
| BMMA00050530-Xx | 5.3Max | 4.7±0.2 | 3.0Max | 2.0±0.2 | 1.0±0.3 |
| BMMA00050530-V1 | 5.49±0.25 | 5.18±0.22 | 3.0Max | 2.0±0.3 | 1.0±0.3 |
| BMMA00060618-X2 | 7.4Max | 6.6±0.2 | 1.8Max | 3.0±0.3 | 1.6±0.3 |
| BMMA00060618-V1 | 6.86±0.38 | 6.47±0.25 | 1.8Max | 3.18±0.3 | 1.3±0.3 |
| BMMA00060624-X2 | 7.5Max | 6.6±0.2 | 2.4Max | 3.0±0.5 | 1.3±0.5 |
| BMMA00060624-V1 | 6.86±0.38 | 6.47±0.25 | 2.4Max | 3.18±0.3 | 1.3±0.3 |
| BMMA00060630-Xx | 6.95±0.35 | 6.6±0.2 | 3.0Max | 3.0±0.3 | 1.6±0.3 |
| BMMA00060630-V1 | 6.86±0.38 | 6.47±0.25 | 3.0Max | 3.18±0.3 | 1.3±0.3 |
| BMMA00060640 | 6.95±0.35 | 6.6±0.2 | 4.0Max | 3.0±0.3 | 1.6±0.3 |
| BMMA00060650-X1 | 6.95±0.35 | 6.6±0.2 | 5.0Max | 3.0±0.3 | 1.6±0.3 |
| BMMA00060650-X2 | 7.4Max | 6.6±0.2 | 5.0Max | 3.0±0.5 | 1.6±0.3 |
| BMMA00060650-V1 | 6.86±0.38 | 6.47±0.25 | 5.0Max | 3.18±0.3 | 1.3±0.3 |
| BMMA00080830 | 8.3±0.3 | 8.1±0.3 | 3.0Max | 3.0±0.3 | 1.5±0.3 |
| BMMA00080840 | 8.3±0.3 | 8.1±0.3 | 4.0Max | 3.0±0.3 | 1.5±0.3 |
| BMMA00101015 | 11.5Max | 10±0.3 | 1.5Max | 3.0±0.5 | 2.0±0.5 |
| BMMA00101030 | 11.5Max | 10±0.3 | 3.0Max | 3.0±0.5 | 2.0±0.5 |
| BMMA00101040 | 11.5Max | 10±0.3 | 4.0Max | 3.0±0.5 | 2.0±0.5 |
| BMMA00101040-I8 | 11.5Max | 10±0.3 | 4.0Max | 3.0±0.5 | 2.2±0.3 |
| BMMA00101045 | 11.5Max | 10±0.3 | 4.5Max | 3.0±0.5 | 2.0±0.5 |
| BMMA00101050 | 11.5Max | 10±0.3 | 5.0Max | 3.0±0.5 | 2.0±0.5 |
| BMMA00131335 | 13.2±0.5 | 12.9Max | 3.5Max | 3.5±0.5 | 2.3±0.3 |
| BMMA00131350-X1 | 13.2±0.5 | 12.9Max | 5.0Max | 3.5±0.5 | 2.3±0.3 |
| BMMA00131350-X2 | 13.2±0.5 | 12.6±0.2 | 5.0Max | 3.5±0.5 | 2.3±0.3 |
| BMMA00131350-V1 | 13.2±0.5 | 12.9Max | 5.0Max | 3.5±0.5 | 2.3±0.3 |
| BMMA00131364 | 13.2±0.5 | 12.9Max | 6.4Max | 3.5±0.5 | 2.3±0.3 |
| BMMA00171770 | 17.6±0.5 | 17.2Max | 7.0Max | 11.8±0.3 | 2.5±0.5 |

Dimensions in mm

| TYPE | A | B | C |
|---|---|---|---|
| BMMA00050530-Xx | 2.5 | 3.0 | 7.0 |
| BMMA00050530-V1 | 2.79 | 2.16 | 5.99 |
| BMMA00060618-X2 | 3.5 | 3.7 | 8.4 |
| BMMA00060618-V1 | 3.43 | 3.71 | 7.37 |
| BMMA00060624-X2 | 3.5 | 3.7 | 8.4 |
| BMMA00060624-V1 | 3.43 | 3.71 | 7.37 |
| BMMA00060630-Xx | 3.5 | 3.7 | 8.4 |
| BMMA00060630-V1 | 3.43 | 3.71 | 7.37 |
| BMMA00060640 | 3.5 | 3.7 | 8.4 |
| BMMA00060650-Xx | 3.5 | 3.7 | 8.4 |
| BMMA00060650-V1 | 3.43 | 3.71 | 7.37 |
| BMMA00080830 | 3.5 | 4.2 | 9 |
| BMMA00080840 | 3.5 | 4.2 | 9 |
| BMMA00101015 | 4.1 | 5.4 | 13.6 |
| BMMA00101030 | 4.1 | 5.4 | 13.6 |
| BMMA00101040-Xx | 4.1 | 5.4 | 13.6 |
| BMMA00101040-V1 | 4 | 6 | 13 |
| BMMA00101040-I8 | 4.1 | 5.4 | 13.6 |
| BMMA00101045 | 4.1 | 5.4 | 13.6 |
| BMMA00101050 | 4.1 | 5.4 | 13.6 |
| BMMA00131335-X1 | 5 | 8 | 14.5 |
| BMMA00131335-V1 | 4.95 | 7.87 | 13.76 |
| BMMA00131350 | 5 | 8 | 14.5 |
| BMMA00131350_V1 | 4.95 | 7.87 | 13.76 |
| BMMA00131364 | 4.95 | 7.87 | 13.76 |
| BMMA00171770 | 12.8 | 11.2 | 18.2 |

# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00040412R47MX2 | 0.47 | 20 | 100 | 21(19) | 6.8 | 6 | R47 |

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

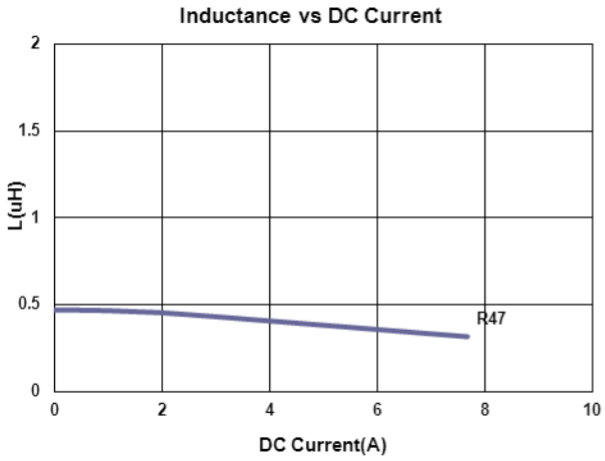
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

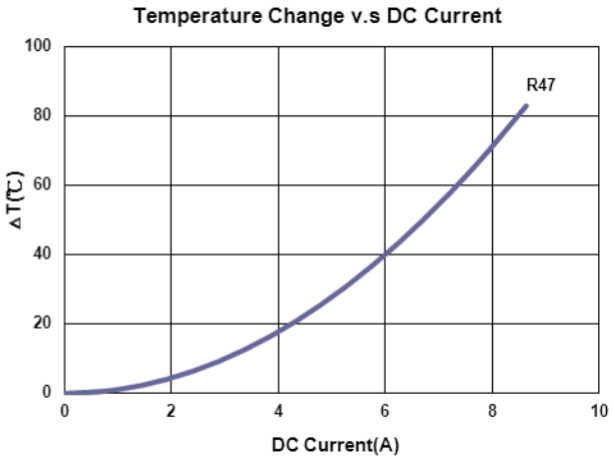
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA0004041247NMV1 | 0.047 | 20 | 100 | 3.75(3.25) | 32 | 13 | 47N |
| BMMA00040412R10MV1 | 0.10 | 20 | 100 | 6(5.5) | 25 | 11.5 | R10 |
| BMMA00040412R22MV1 | 0.22 | 20 | 100 | 12(11) | 20 | 8.5 | R22 |
| BMMA00040412R47MV1 | 0.47 | 20 | 100 | 22(20) | 13 | 5 | R47 |
| BMMA00040412R68MV1 | 0.68 | 20 | 100 | 31.4(29.3) | 9.3 | 4.9 | R68 |
| BMMA000404121R0MV1 | 1.0 | 20 | 100 | 52.5(50) | 8.5 | 4 | 1R0 |

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

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- Irms for a 40℃ temperature rise from 25℃ ambient with current
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  Irms：CHROMA 1810

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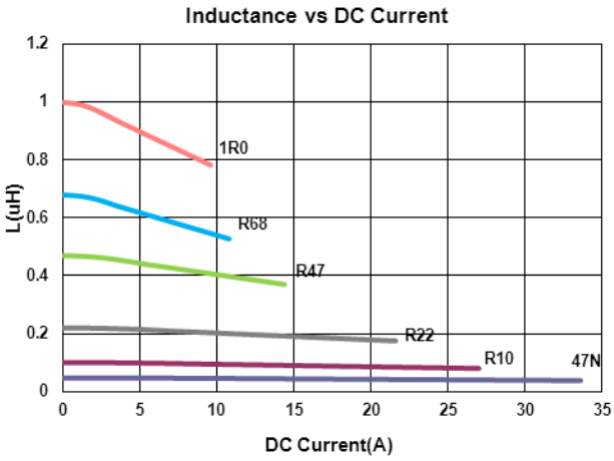


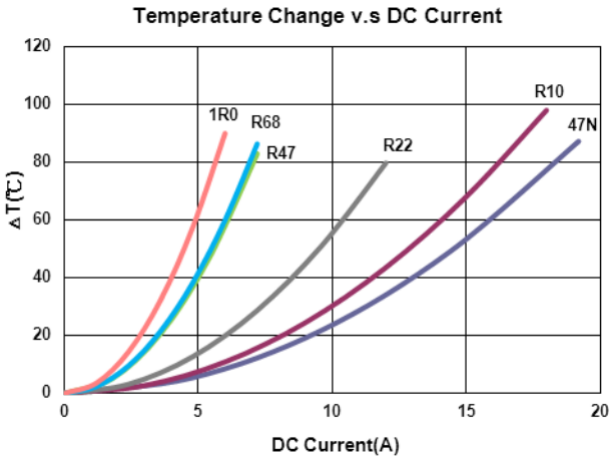

# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00040420R10MX2 | 0.10 | 20 | 100 | 4(3.5) | 22 | 12 | R10 |
| BMMA00040420R22MX2 | 0.22 | 20 | 100 | 6.6(6) | 12.5 | 9 | R22 |
| BMMA00040420R47MX2 | 0.47 | 20 | 100 | 14(12.5) | 9.5 | 7 | R47 |
| BMMA00040420R56MX2 | 0.56 | 20 | 100 | 16(14) | 10 | 6.5 | R56 |
| BMMA00040420R68MX2 | 0.68 | 20 | 100 | 18(16) | 9 | 6 | R68 |
| BMMA000404201R0MX2 | 1.0 | 20 | 100 | 27(24) | 7 | 4.5 | 1R0 |
| BMMA000404201R5MX2 | 1.5 | 20 | 100 | 43(35) | 6 | 4 | 1R5 |
| BMMA000404202R2MX2 | 2.2 | 20 | 100 | 58(52) | 5 | 3 | 2R2 |
| BMMA000404203R3MX2 | 3.3 | 20 | 100 | 87(74) | 4 | 2.5 | 3R3 |
| BMMA000404204R7MX2 | 4.7 | 20 | 100 | 105(92) | 3 | 2.2 | 4R7 |

**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
- Withstand voltage: 25V DC
- Measure Equipment：

  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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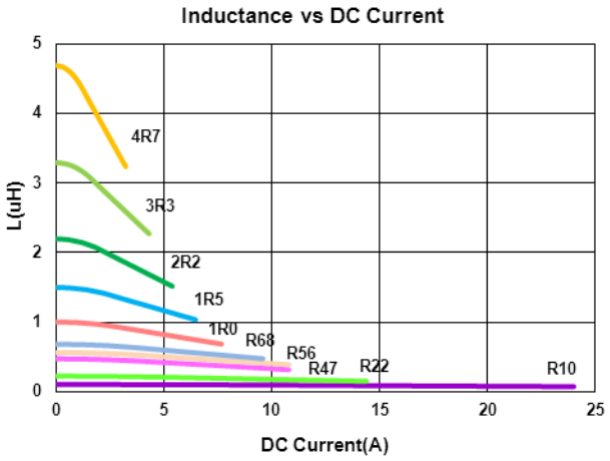
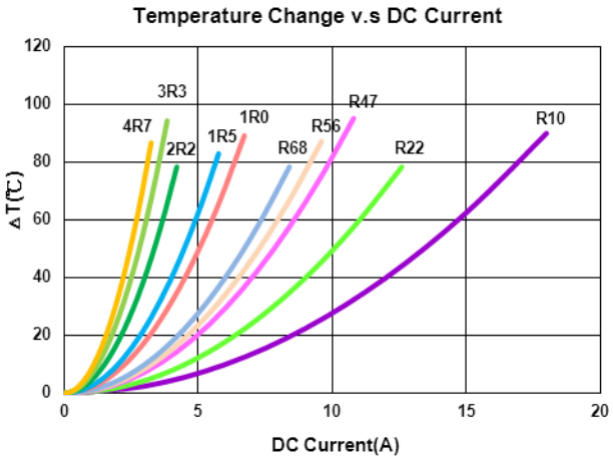


# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00040420R10MV1 | 0.10 | 20 | 100 | 5(4.5) | 35 | 16 | R10 |
| BMMA00040420R22MV1 | 0.22 | 20 | 100 | 8(7.3) | 24 | 13 | R22 |
| BMMA00040420R47MV1 | 0.47 | 20 | 100 | 18(16) | 11.5 | 5.6 | R47 |
| BMMA000404201R0MV1 | 1.0 | 20 | 100 | 37(33) | 8.5 | 3.75 | 1R0 |
| BMMA000404202R2MV1 | 2.2 | 20 | 100 | 90(80) | 6 | 2.85 | 2R2 |

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

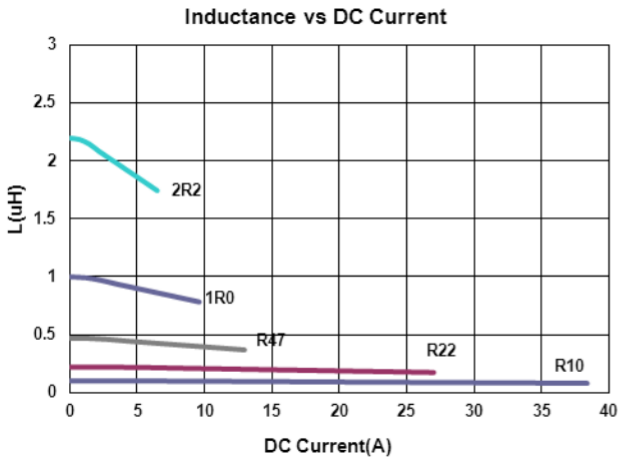
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

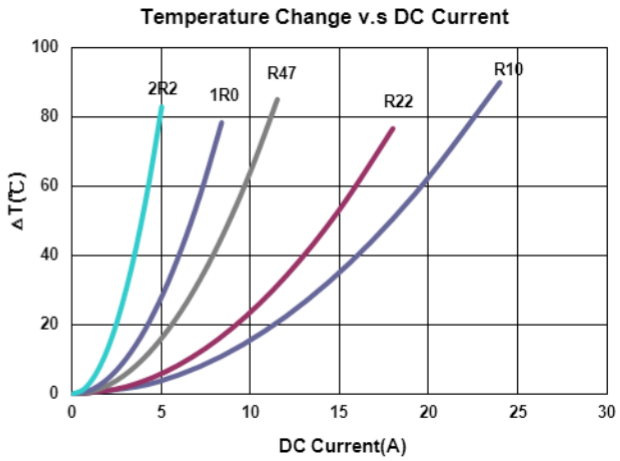
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ)±10% | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00040420R47MI8 | 0.47 | 20 | 100 | 12.7 | 12 | 8 | R47 |

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

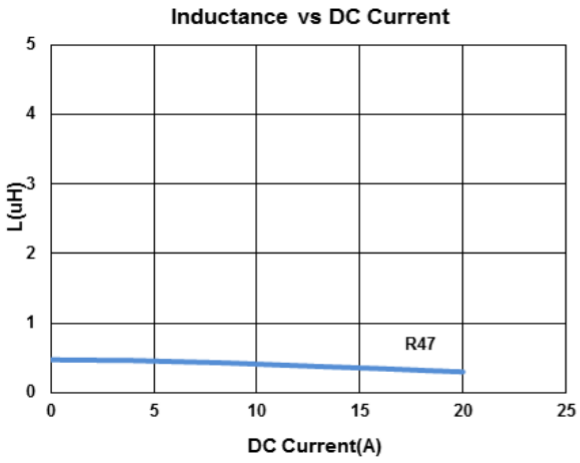
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 25% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

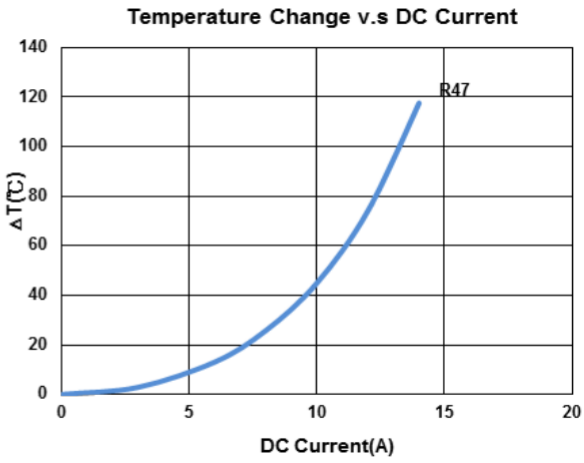
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



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## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA000505121R0MV1 | 1.0 | 20 | 100 | 46.5(44.3) | 10.2 | 4.4 | 1R0 |
| BMMA000505122R2MV1 | 2.2 | 20 | 100 | 77.3(73.6) | 6 | 3.4 | 2R2 |
| BMMA000505123R3MV1 | 3.3 | 20 | 100 | 103(98.4) | 5 | 2.8 | 3R3 |

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

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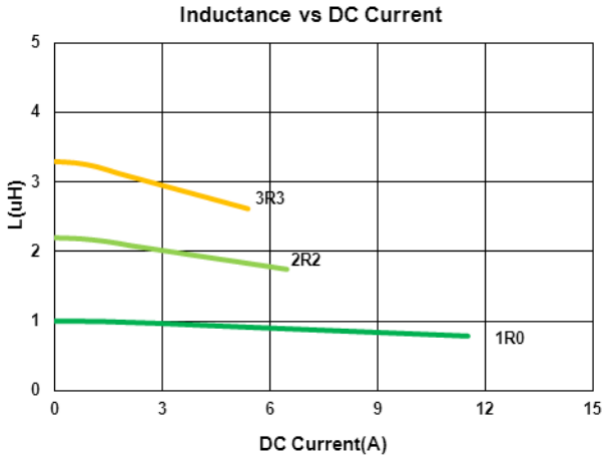


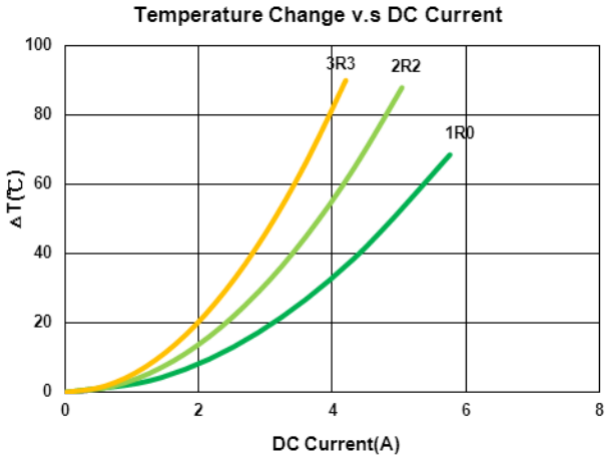

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## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA000505181R0MX2 | 1.0 | 20 | 100 | 17(15) | 9 | 8 | 1R0 |
| BMMA000505184R7MX2 | 4.7 | 20 | 100 | 85(78) | 4 | 3.5 | 4R7 |
| BMMA000505186R8MX2 | 6.8 | 20 | 100 | 120(107) | 3.4 | 2.8 | 6R8 |
| BMMA00050518100MX2 | 10 | 20 | 100 | 155(140) | 3 | 2.5 | 100 |

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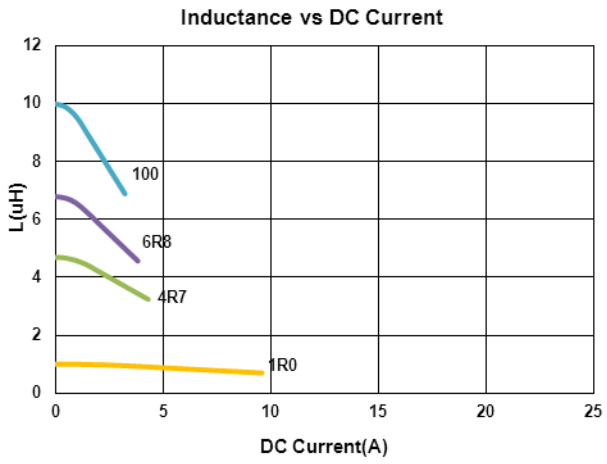
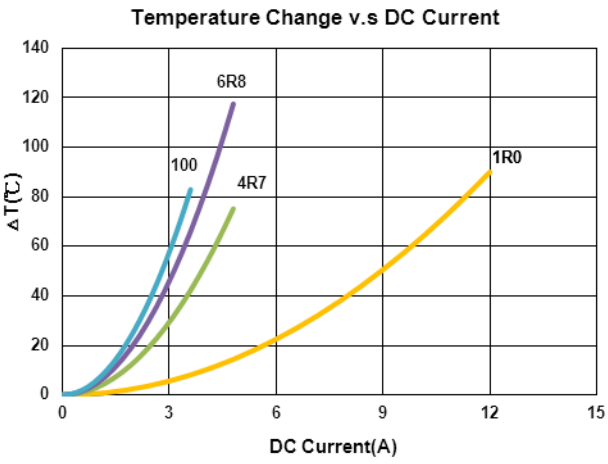


# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA000505201R0MX1 | 1.0 | 20 | 100 | 20(18.9) | 16 | 7 | 1R0 |

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

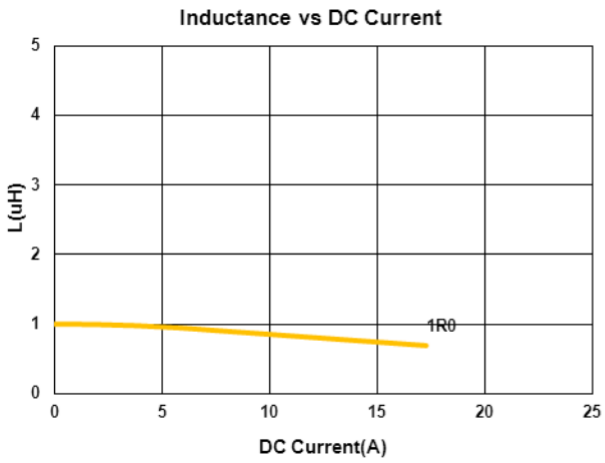
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

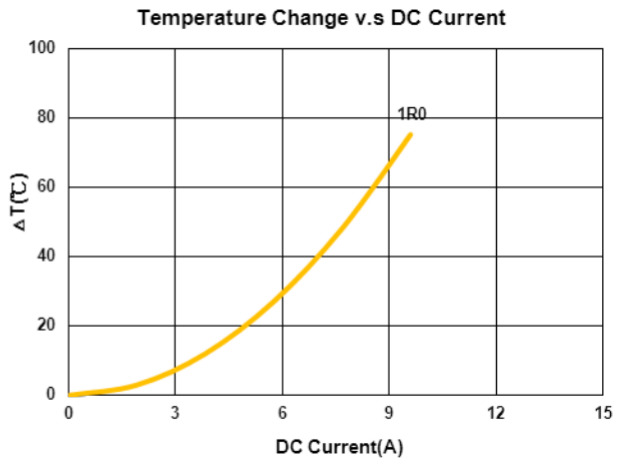
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00050520R10MV1 | 0.10 | 20 | 100 | 3.9(3.6) | 45 | 17 | R10 |
| BMMA00050520R33MV1 | 0.33 | 20 | 100 | 8.2(7.6) | 25 | 12 | R33 |
| BMMA00050520R47MV1 | 0.47 | 20 | 100 | 8.8(8.1) | 21 | 11.5 | R47 |
| BMMA000505201R0MV1 | 1.0 | 20 | 100 | 20(18.9) | 16 | 7 | 1R0 |
| BMMA000505202R2MV1 | 2.2 | 20 | 100 | 50.1(45.6) | 12.5 | 4.2 | 2R2 |
| BMMA000505203R3MV1 | 3.3 | 20 | 100 | 85.5(79.2) | 8.5 | 3.3 | 3R3 |
| BMMA000505204R7MV1 | 4.7 | 20 | 100 | 116.6(108) | 5 | 2.8 | 4R7 |
| BMMA000505205R6MV1 | 5.6 | 20 | 100 | 122(113) | 4.5 | 2.5 | 5R6 |
| BMMA000505206R8MV1 | 6.8 | 20 | 100 | 150(139) | 4.3 | 2.4 | 6R8 |
| BMMA00050520100MV1 | 10 | 20 | 100 | 199(184) | 4 | 2.3 | 100 |

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

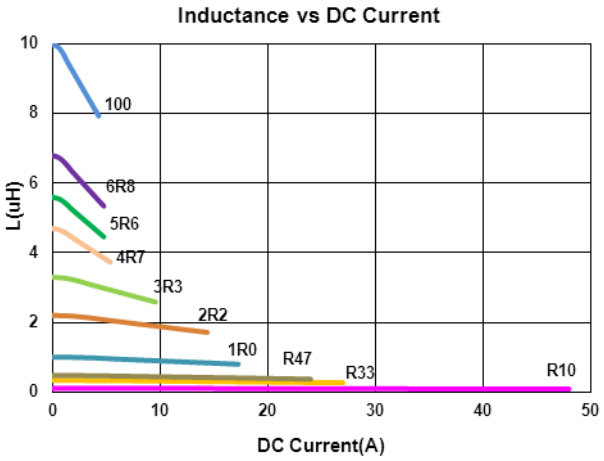
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

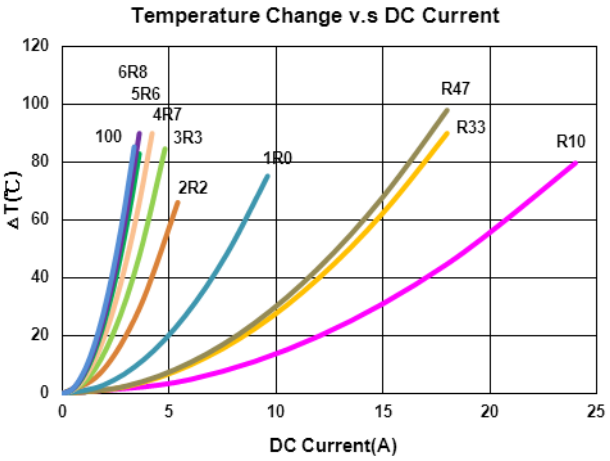
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00050530R68MX1 | 0.68 | 20 | 100 | 12(11) | 14 | 8.5 | R68 |
| BMMA000505301R0MX1 | 1.0 | 20 | 100 | 14(13) | 11 | 7 | 1R0 |
| BMMA000505301R2MX1 | 1.2 | 20 | 100 | 16(15) | 10.5 | 6.5 | 1R2 |
| BMMA000505301R5MX1 | 1.5 | 20 | 100 | 25(20) | 10 | 6 | 1R5 |
| BMMA000505302R2MX1 | 2.2 | 20 | 100 | 35(29) | 9 | 5.5 | 2R2 |
| BMMA000505303R3MX1 | 3.3 | 20 | 100 | 38(32) | 7 | 5 | 3R3 |

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

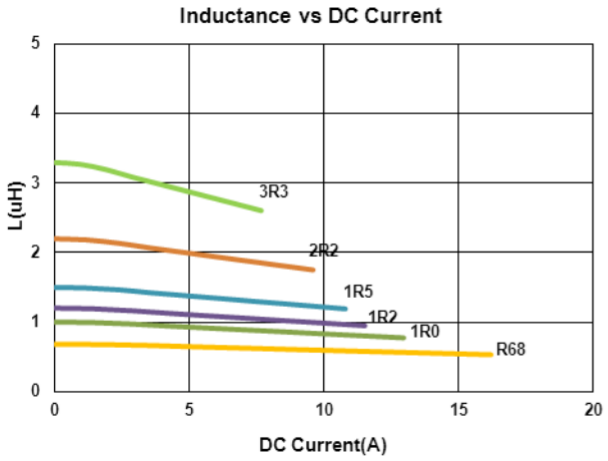
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

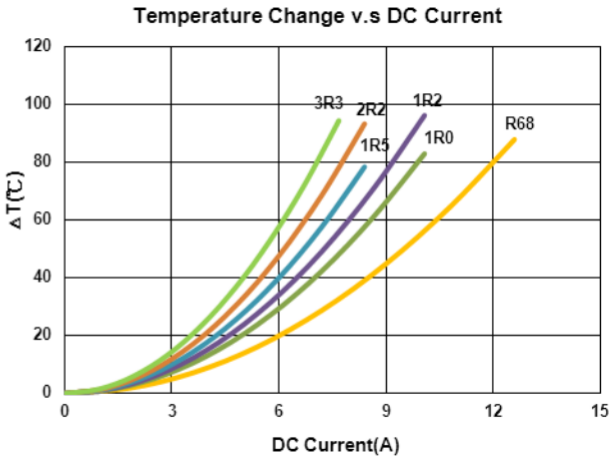
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00050530R22MX2 | 0.22 | 20 | 100 | 3.9(3.5) | 14.5 | 21 | R22 |
| BMMA00050530R35MX2 | 0.35 | 20 | 100 | 5(4.5) | 9 | 16.5 | R35 |
| BMMA00050530R47MX2 | 0.47 | 20 | 100 | 8.5(7.4) | 12 | 13 | R47 |
| BMMA00050530R68MX2 | 0.68 | 20 | 100 | 12(11) | 14 | 8.5 | R68 |
| BMMA000505301R0MX2 | 1.0 | 20 | 100 | 14(13) | 11 | 7 | 1R0 |
| BMMA000505301R2MX2 | 1.2 | 20 | 100 | 16(15) | 11 | 6.5 | 1R2 |
| BMMA000505301R5MX2 | 1.5 | 20 | 100 | 25(20) | 10 | 6 | 1R5 |
| BMMA000505302R2MX2 | 2.2 | 20 | 100 | 35(29) | 9 | 5.5 | 2R2 |
| BMMA000505303R3MX2 | 3.3 | 20 | 100 | 38(34) | 7 | 5 | 3R3 |

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

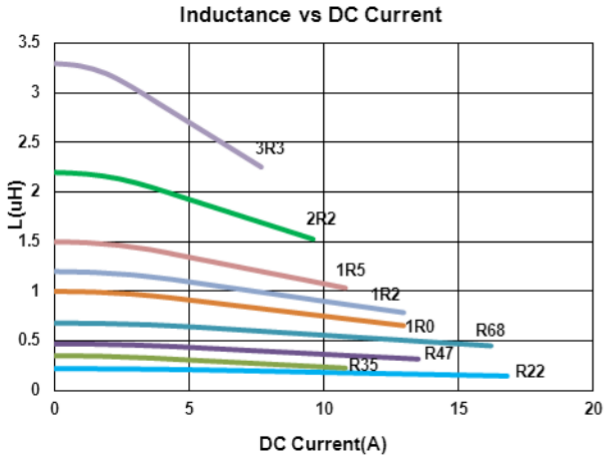
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

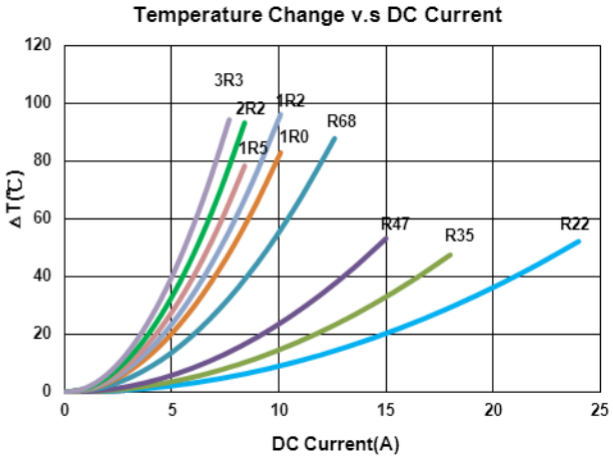
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00050530R10MV1 | 0.10 | 20 | 100 | 3.16(3) | 27 | 23 | R10 |
| BMMA00050530R22MV1 | 0.22 | 20 | 100 | 4.52(4.3) | 21 | 15.5 | R22 |
| BMMA00050530R33MV1 | 0.33 | 20 | 100 | 5.56(5.3) | 19 | 13.7 | R33 |
| BMMA00050530R47MV1 | 0.47 | 20 | 100 | 7.04(6.7) | 16 | 12.2 | R47 |
| BMMA00050530R68MV1 | 0.68 | 20 | 100 | 8.96(8.53) | 13.5 | 10.2 | R68 |
| BMMA00050530R82MV1 | 0.82 | 20 | 100 | 11.9(11.3) | 13 | 9.3 | R82 |
| BMMA000505301R0MV1 | 1.0 | 20 | 100 | 13.7(13.1) | 12 | 9.2 | 1R0 |
| BMMA000505301R5MV1 | 1.5 | 20 | 100 | 20.7(19.7) | 11 | 7.2 | 1R5 |
| BMMA000505302R2MV1 | 2.2 | 20 | 100 | 29.2(27.8) | 10 | 5.8 | 2R2 |
| BMMA000505303R3MV1 | 3.3 | 20 | 100 | 54.7(52.1) | 8.5 | 5 | 3R3 |
| BMMA000505304R7MV1 | 4.7 | 20 | 100 | 77.5(73.8) | 8.2 | 3.5 | 4R7 |
| BMMA000505305R6MV1 | 5.6 | 20 | 100 | 108(103) | 4.1 | 3 | 5R6 |
| BMMA00050530100MV1 | 10 | 20 | 100 | 158(152) | 4 | 2.5 | 100 |
| BMMA00050530150MV1 | 15 | 20 | 100 | 265(252) | 2.5 | 1.9 | 150 |

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

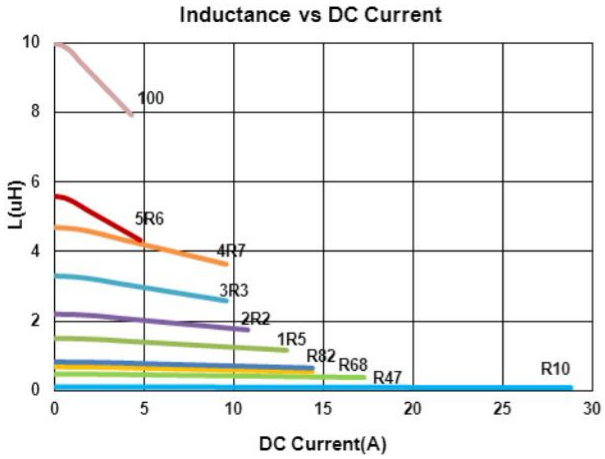
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

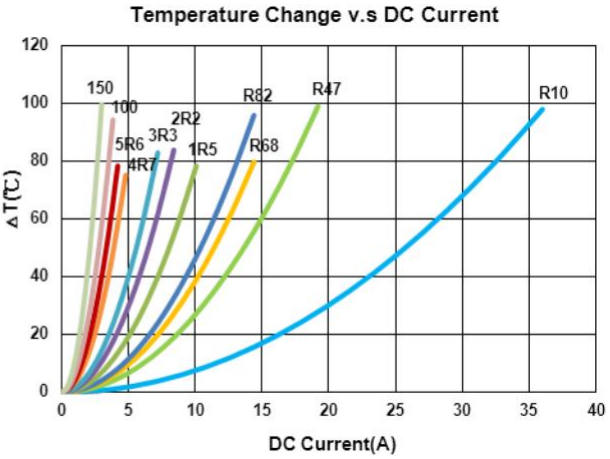
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060618R10MX2 | 0.10 | 20 | 100 | 2.5(2) | 45 | 18 | R10 |
| BMMA00060618R22MX2 | 0.22 | 20 | 100 | 5.2(4.5) | 29 | 14 | R22 |
| BMMA00060618R33MX2 | 0.33 | 20 | 100 | 6.8(5.2) | 22 | 12 | R33 |
| BMMA00060618R47MX2 | 0.47 | 20 | 100 | 8.4(7.3) | 18 | 11 | R47 |
| BMMA00060618R68MX2 | 0.68 | 20 | 100 | 12.7(10.8) | 17 | 9 | R68 |
| BMMA000606181R0MX2 | 1.0 | 20 | 100 | 17(14.5) | 14 | 7 | 1R0 |
| BMMA000606181R5MX2 | 1.5 | 20 | 100 | 26(20) | 12 | 6.5 | 1R5 |
| BMMA000606182R0MX2 | 2.0 | 20 | 100 | 32(28) | 11 | 6 | 2R0 |
| BMMA000606182R2MX2 | 2.2 | 20 | 100 | 35(31) | 13 | 6 | 2R2 |
| BMMA000606183R3MX2 | 3.3 | 20 | 100 | 60(56) | 10 | 3.5 | 3R3 |
| BMMA000606186R8MX2 | 6.8 | 20 | 100 | 110(101) | 3.5 | 2.8 | 6R8 |

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

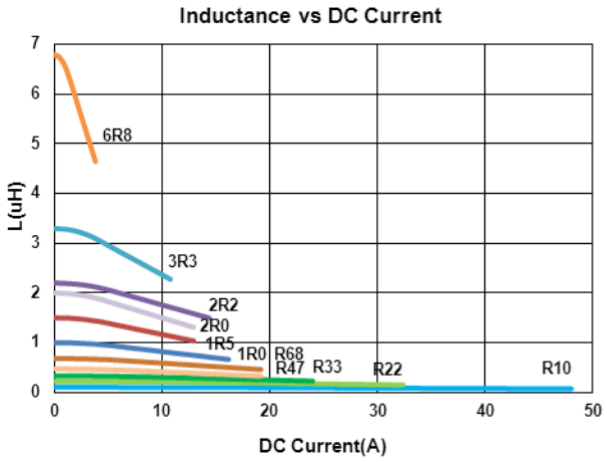
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

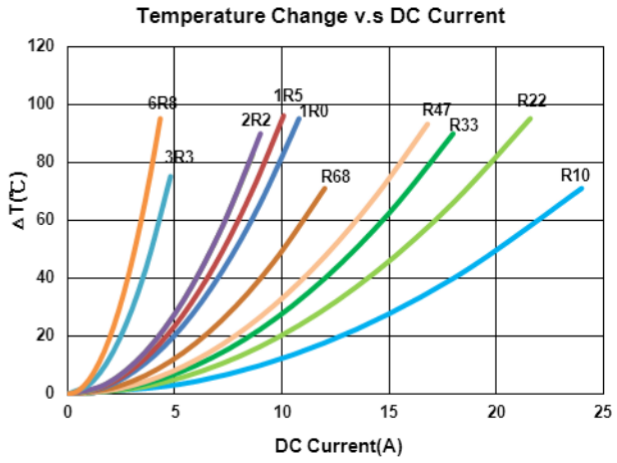
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060618R10MV1 | 0.10 | 20 | 100 | 3.5(3) | 40 | 18 | R10 |
| BMMA00060618R15MV1 | 0.15 | 20 | 100 | 5.2(4.7) | 38 | 15 | R15 |
| BMMA00060618R22MV1 | 0.22 | 20 | 100 | 5.7(5.3) | 26 | 14 | R22 |
| BMMA00060618R33MV1 | 0.33 | 20 | 100 | 7(6.6) | 18 | 12 | R33 |
| BMMA00060618R47MV1 | 0.47 | 20 | 100 | 9.3(8.4) | 18 | 11 | R47 |
| BMMA00060618R68MV1 | 0.68 | 20 | 100 | 13.9(12.7) | 17 | 9 | R68 |
| BMMA00060618R82MV1 | 0.82 | 20 | 100 | 15.9(13.8) | 17 | 8 | R82 |
| BMMA000606181R0MV1 | 1.0 | 20 | 100 | 18.3(17.5) | 14 | 7 | 1R0 |
| BMMA000606181R5MV1 | 1.5 | 20 | 100 | 34(32.6) | 11.5 | 4 | 1R5 |
| BMMA000606182R2MV1 | 2.2 | 20 | 100 | 46(40.3) | 13 | 3.75 | 2R2 |
| BMMA000606182R5MV1 | 2.5 | 20 | 100 | 52.4(49.9) | 10.4 | 3.5 | 2R5 |
| BMMA000606183R3MV1 | 3.3 | 20 | 100 | 60.1(56.2) | 10 | 3.25 | 3R3 |
| BMMA000606184R7MV1 | 4.7 | 20 | 100 | 78(76.6) | 8 | 3 | 4R7 |

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

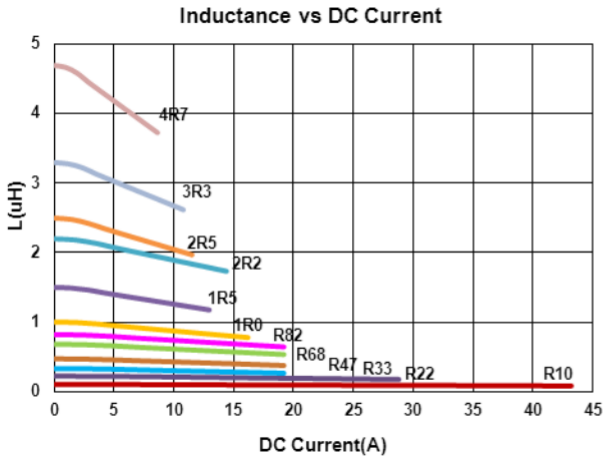
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

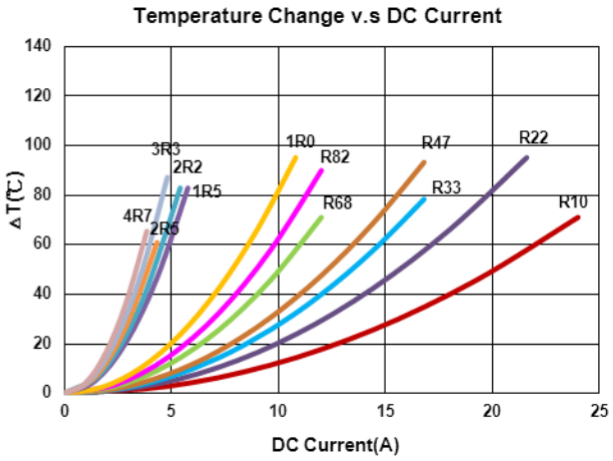
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060624R10MX2 | 0.10 | 20 | 100 | 1.7(1.5) | 70 | 30 | R10 |
| BMMA00060624R20MX2 | 0.20 | 20 | 100 | 2.8(2.2) | 50 | 25 | R20 |
| BMMA00060624R33MX2 | 0.33 | 20 | 100 | 4.1(3.5) | 24.5 | 18 | R33 |
| BMMA00060624R47MX2 | 0.47 | 20 | 100 | 5.1(4.5) | 22 | 15 | R47 |
| BMMA000606241R0MX2 | 1.0 | 20 | 100 | 13.5(11.2) | 16 | 9 | 1R0 |
| BMMA000606241R5MX2 | 1.5 | 20 | 100 | 20(17) | 15 | 9 | 1R5 |
| BMMA000606242R2MX2 | 2.2 | 20 | 100 | 28(23) | 14 | 7 | 2R2 |
| BMMA000606243R3MX2 | 3.3 | 20 | 100 | 39(31) | 13 | 5.5 | 3R3 |
| BMMA000606244R7MX2 | 4.7 | 20 | 100 | 50(41) | 10 | 5 | 4R7 |
| BMMA000606246R8MX2 | 6.8 | 20 | 100 | 70(57) | 6 | 4 | 6R8 |

**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
- Withstand voltage: 25V DC
- Measure Equipment：

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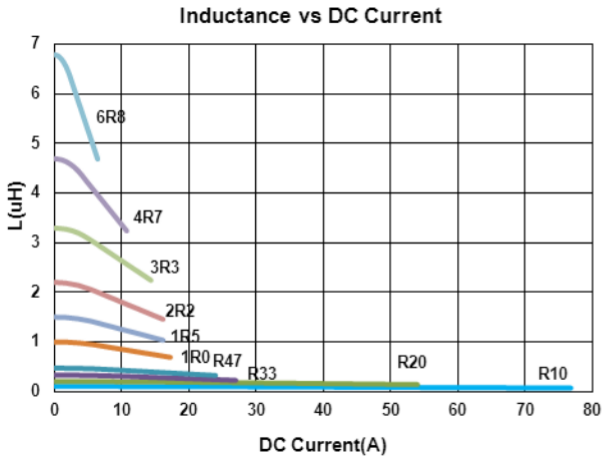
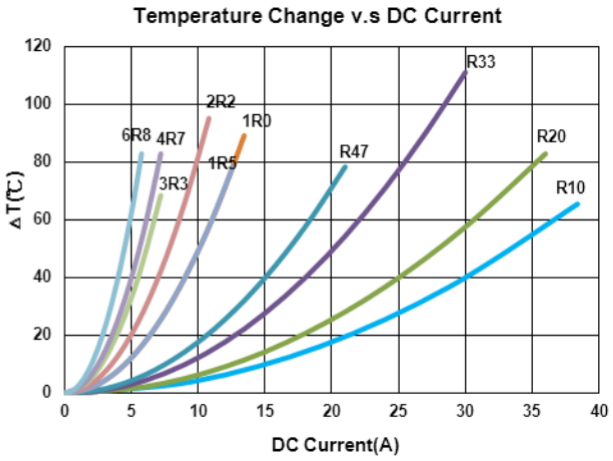
  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060624R10MV1 | 0.10 | 20 | 100 | 1.7(1.5) | 50 | 30 | R10 |
| BMMA00060624R22MV1 | 0.22 | 20 | 100 | 3.2(2.9) | 34 | 21 | R22 |
| BMMA00060624R33MV1 | 0.33 | 20 | 100 | 4.1(3.7) | 22 | 18 | R33 |
| BMMA00060624R47MV1 | 0.47 | 20 | 100 | 6.5(6) | 21 | 13.5 | R47 |
| BMMA00060624R68MV1 | 0.68 | 20 | 100 | 9.4(8.7) | 18 | 11 | R68 |
| BMMA00060624R82MV1 | 0.82 | 20 | 100 | 11.8(10.6) | 17 | 10 | R82 |
| BMMA000606241R0MV1 | 1.0 | 20 | 100 | 14.2(13.1) | 16 | 9 | 1R0 |
| BMMA000606241R5MV1 | 1.5 | 20 | 100 | 21.2(18.5) | 15 | 7.5 | 1R5 |
| BMMA000606242R2MV1 | 2.2 | 20 | 100 | 34(28) | 14 | 6.5 | 2R2 |
| BMMA000606243R3MV1 | 3.3 | 20 | 100 | 51.6(36.5) | 13 | 5 | 3R3 |
| BMMA000606244R7MV1 | 4.7 | 20 | 100 | 63(45.2) | 10 | 4.5 | 4R7 |
| BMMA000606246R8MV1 | 6.8 | 20 | 100 | 95(72.5) | 9 | 3.5 | 6R8 |
| BMMA000606248R2MV1 | 8.2 | 20 | 100 | 106(84.2) | 8 | 3 | 8R2 |
| BMMA00060624100MV1 | 10 | 20 | 100 | 105(102) | 7 | 3 | 100 |

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

- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
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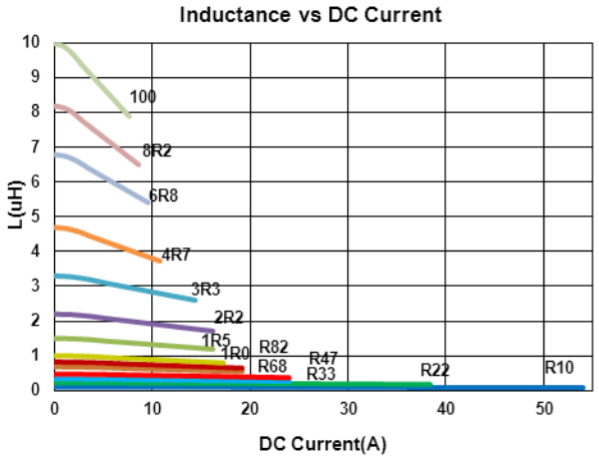
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

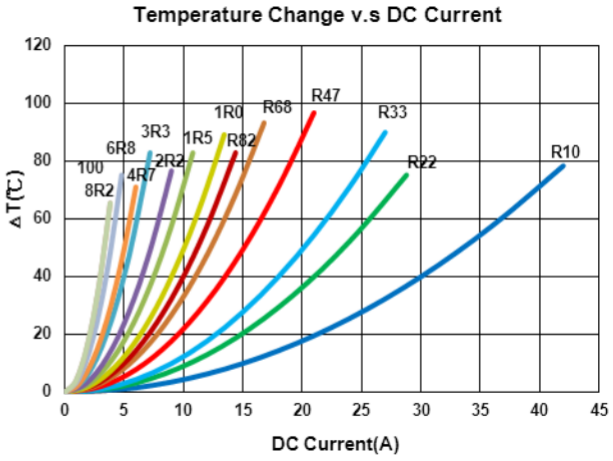
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060630R10MX1 | 0.10 | 20 | 100 | 1.7(1.5) | 60 | 32.5 | R10 |
| BMMA00060630R22MX1 | 0.22 | 20 | 100 | 2.8(2.5) | 40 | 23 | R22 |
| BMMA00060630R33MX1 | 0.33 | 20 | 100 | 3.9(3.5) | 30 | 20 | R33 |
| BMMA00060630R47MX1 | 0.47 | 20 | 100 | 4.2(4) | 26 | 17.5 | R47 |
| BMMA00060630R56MX1 | 0.56 | 20 | 100 | 5(4.7) | 25.5 | 16.5 | R56 |
| BMMA00060630R68MX1 | 0.68 | 20 | 100 | 5.5(5) | 25 | 15.5 | R68 |
| BMMA000606301R0MX1 | 1.0 | 20 | 100 | 10(9) | 22 | 11 | 1R0 |
| BMMA000606301R2MX1 | 1.2 | 20 | 100 | 12(10) | 20 | 10 | 1R2 |
| BMMA000606301R5MX1 | 1.5 | 20 | 100 | 15(14) | 18 | 9 | 1R5 |
| BMMA000606302R2MX1 | 2.2 | 20 | 100 | 20(18) | 14 | 8 | 2R2 |
| BMMA000606303R3MX1 | 3.3 | 20 | 100 | 30(28) | 13.5 | 6 | 3R3 |
| BMMA000606304R7MX1 | 4.7 | 20 | 100 | 40(37) | 10 | 5.5 | 4R7 |
| BMMA000606306R8MX1 | 6.8 | 20 | 100 | 60(54) | 8 | 4.5 | 6R8 |

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

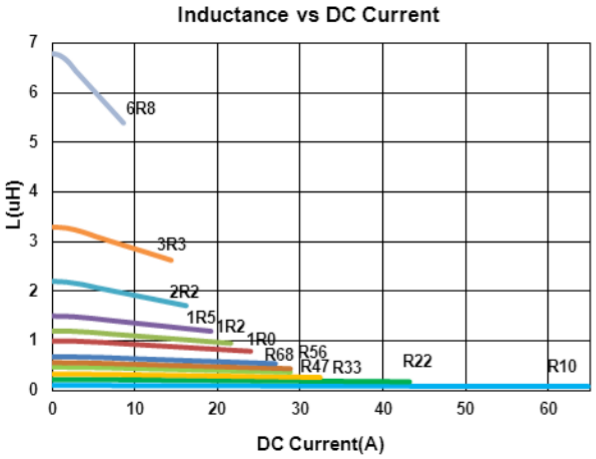
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC.
- Measure Equipment：

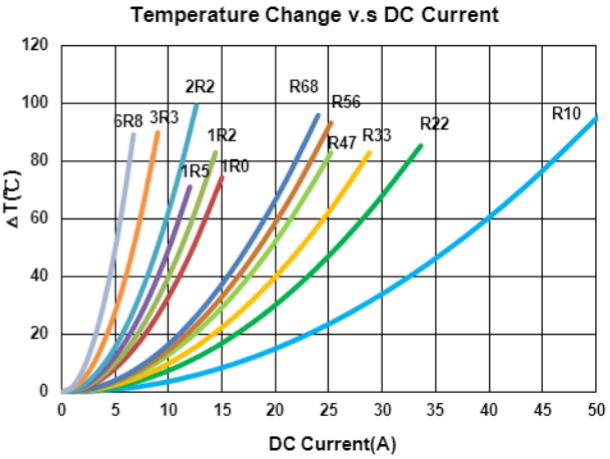
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060630R10MX2 | 0.10 | 20 | 100 | 1.7(1.5) | 60 | 32.5 | R10 |
| BMMA00060630R15MX2 | 0.15 | 20 | 100 | 2.5(1.9) | 45 | 30 | R15 |
| BMMA00060630R20MX2 | 0.20 | 20 | 100 | 3(2.4) | 41 | 24 | R20 |
| BMMA00060630R22MX2 | 0.22 | 20 | 100 | 2.8(2.5) | 40 | 23 | R22 |
| BMMA00060630R33MX2 | 0.33 | 20 | 100 | 3.5(3) | 25 | 21 | R33 |
| BMMA00060630R36MX2 | 0.36 | 20 | 100 | 3.9(3.3) | 26 | 20 | R36 |
| BMMA00060630R47MX2 | 0.47 | 20 | 100 | 4.1(3.5) | 20 | 18 | R47 |
| BMMA00060630R56MX2 | 0.56 | 20 | 100 | 4.5(3.9) | 18 | 16.5 | R56 |
| BMMA00060630R68MX2 | 0.68 | 20 | 100 | 5(4.5) | 17 | 16 | R68 |
| BMMA00060630R82MX2 | 0.82 | 20 | 100 | 7.5(7) | 16 | 14 | R82 |
| BMMA000606301R5MX2 | 1.5 | 20 | 100 | 12.1(10.6) | 14 | 10 | 1R5 |
| BMMA000606303R3MX2 | 3.3 | 20 | 100 | 28(25) | 10 | 6.5 | 3R3 |
| BMMA000606304R7MX2 | 4.7 | 20 | 100 | 35(32.5) | 6.5 | 5.5 | 4R7 |
| BMMA000606305R6MX2 | 5.6 | 20 | 100 | 42(39) | 6 | 5.5 | 5R6 |
| BMMA000606306R8MX2 | 6.8 | 20 | 100 | 60(54) | 8 | 4.5 | 6R8 |
| BMMA000606308R2MX2 | 8.2 | 20 | 100 | 60(54) | 6 | 4.5 | 8R2 |
| BMMA00060630100MX2 | 10 | 200 | 100 | 68(62) | 5.5 | 4 | 100 |

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

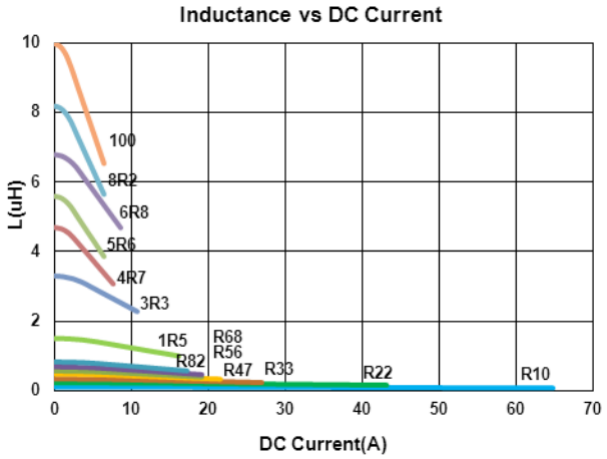
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

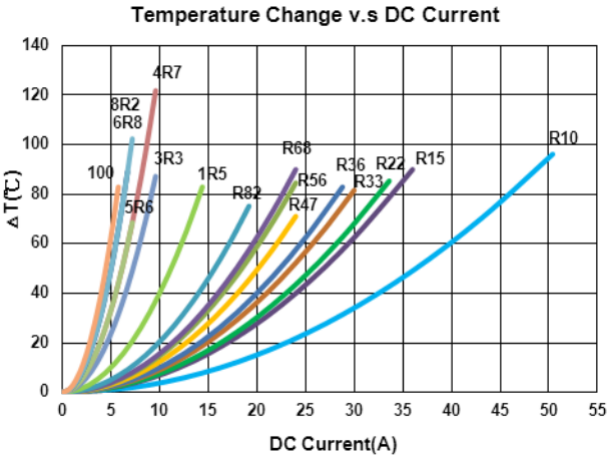
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060630R10MV1 | 0.10 | 20 | 100 | 1.7(1.5) | 60 | 32.5 | R10 |
| BMMA00060630R15MV1 | 0.15 | 20 | 100 | 2.5(1.9) | 52 | 26 | R15 |
| BMMA00060630R20MV1 | 0.20 | 20 | 100 | 3(2.4) | 41 | 24 | R20 |
| BMMA00060630R22MV1 | 0.22 | 20 | 100 | 2.8(2.5) | 40 | 23 | R22 |
| BMMA00060630R33MV1 | 0.33 | 20 | 100 | 3.9(3.5) | 30 | 20 | R33 |
| BMMA00060630R47MV1 | 0.47 | 20 | 100 | 4.2(4) | 26 | 17.5 | R47 |
| BMMA00060630R68MV1 | 0.68 | 20 | 100 | 5.5(5) | 25 | 15.5 | R68 |
| BMMA00060630R82MV1 | 0.82 | 20 | 100 | 8(6.7) | 24 | 13 | R82 |
| BMMA000606301R0MV1 | 1.0 | 20 | 100 | 10(9) | 22 | 11 | 1R0 |
| BMMA000606301R5MV1 | 1.5 | 20 | 100 | 15(14) | 18 | 9 | 1R5 |
| BMMA000606302R2MV1 | 2.2 | 20 | 100 | 20(18) | 14 | 8 | 2R2 |
| BMMA000606303R3MV1 | 3.3 | 20 | 100 | 30(28) | 13.5 | 6 | 3R3 |
| BMMA000606304R7MV1 | 4.7 | 20 | 100 | 40(37) | 10 | 5.5 | 4R7 |
| BMMA000606306R8MV1 | 6.8 | 20 | 100 | 60(54) | 8 | 4.5 | 6R8 |
| BMMA000606308R2MV1 | 8.2 | 20 | 100 | 68(64) | 7.5 | 4 | 8R2 |
| BMMA00060630100MV1 | 10 | 20 | 100 | 105(102) | 7 | 3 | 100 |

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

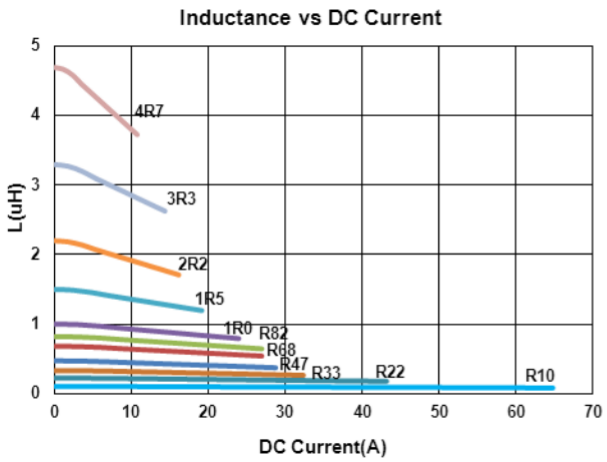
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC.
- Measure Equipment：

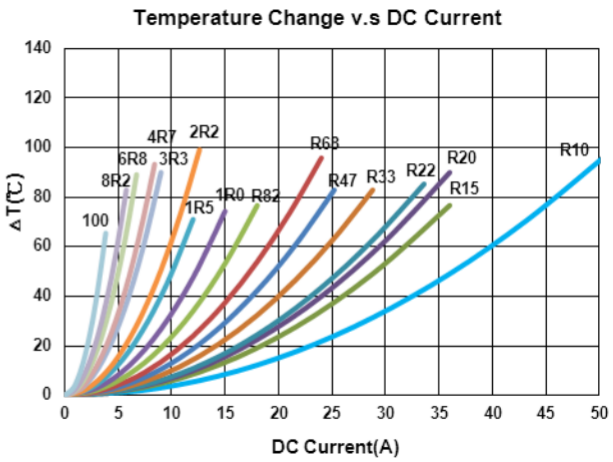
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms(A) (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060640R36MX1 | 0.36 | 20 | 100 | 2.3(1.8) | 32 | 23 | R36 |

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

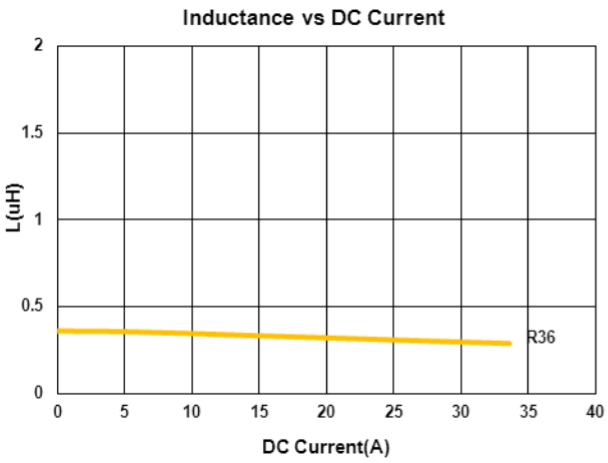
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

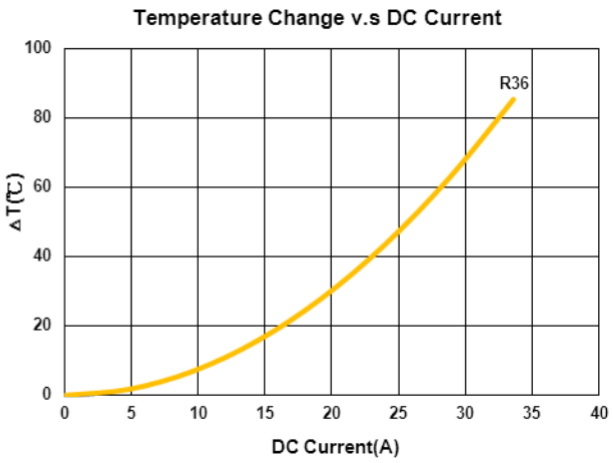
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms(A) (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA000606403R3MX2 | 3.3 | 20 | 100 | 23(21) | 13 | 7 | 3R3 |

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

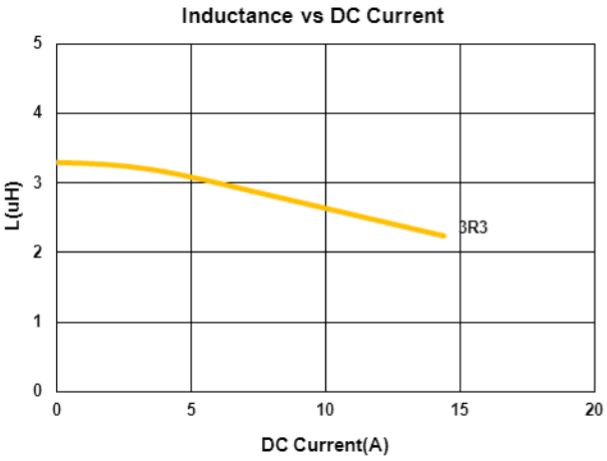
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

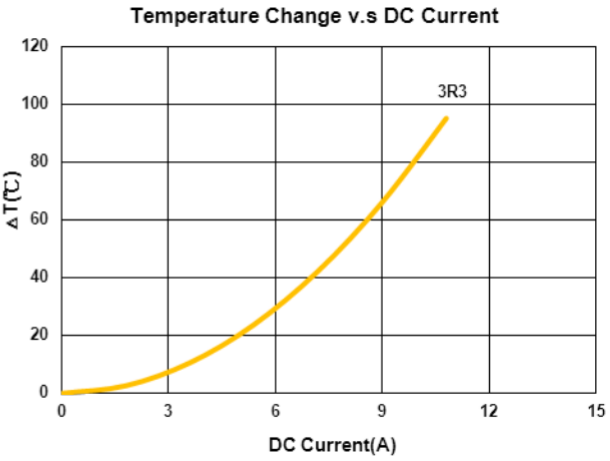
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms(A) (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060650R22MX1 | 0.22 | 20 | 100 | 1.4(1.2) | 50 | 30 | R22 |
| BMMA00060650R47MX1 | 0.47 | 20 | 100 | 3.9(3.5) | 30 | 20 | R47 |

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

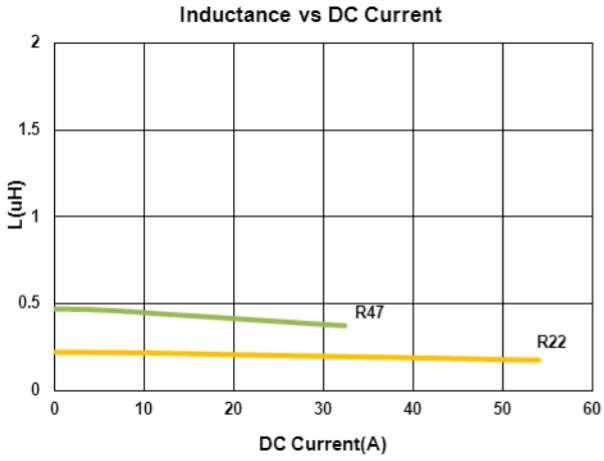
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

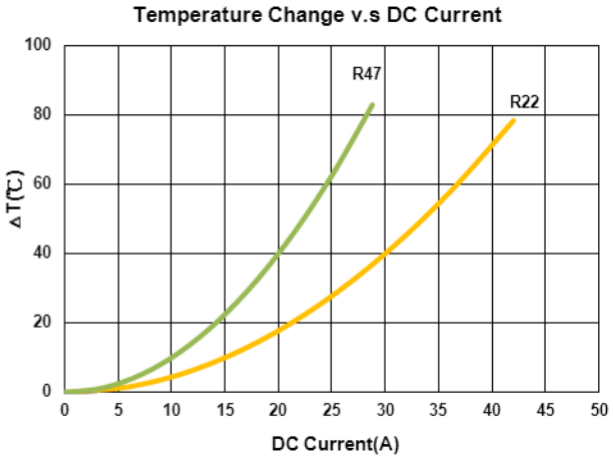
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060650R36MX2 | 0.36 | 20 | 100 | 3.1(2.7) | 25 | 21 | R36 |
| BMMA00060650R68MX2 | 0.68 | 20 | 100 | 4.2(3.9) | 16 | 18 | R68 |
| BMMA000606501R0MX2 | 1.0 | 20 | 100 | 6.5(5.6) | 15 | 13 | 1R0 |
| BMMA000606501R5MX2 | 1.5 | 20 | 100 | 7.5(6.7) | 12 | 11 | 1R5 |
| BMMA000606502R2MX2 | 2.2 | 20 | 100 | 12.5(11.2) | 12 | 8 | 2R2 |

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

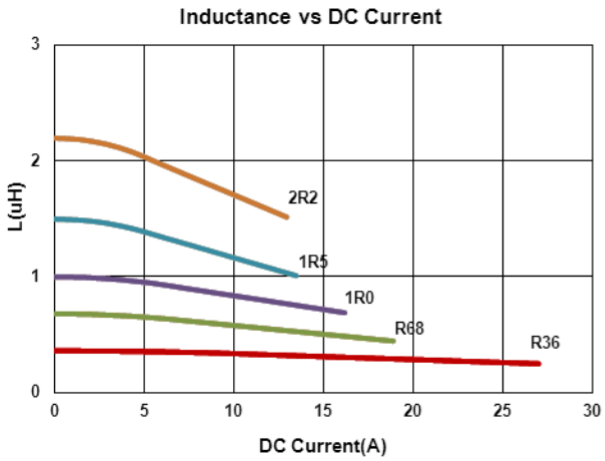
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC.
- Measure Equipment：

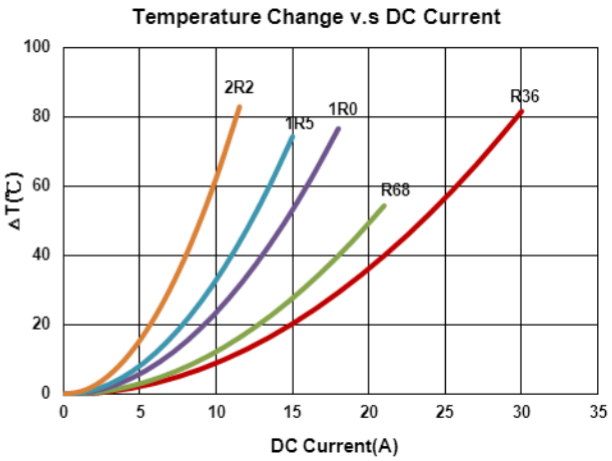
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00060650R56MV1 | 0.56 | 20 | 100 | 3.6(3.4) | 12 | 20 | R56 |
| BMMA00060650R68MV1 | 0.68 | 20 | 100 | 4.5(4.2) | 11.5 | 18 | R68 |
| BMMA00060650R82MV1 | 0.82 | 20 | 100 | 4.9(4.6) | 13 | 16.5 | R82 |
| BMMA000606501R0MV1 | 1.0 | 20 | 100 | 6.5(5.6) | 15 | 13 | 1R0 |
| BMMA000606501R5MV1 | 1.5 | 20 | 100 | 9(8.6) | 12 | 12 | 1R5 |
| BMMA000606502R2MV1 | 2.2 | 20 | 100 | 13.6(13) | 10 | 10 | 2R2 |
| BMMA000606503R3MV1 | 3.3 | 20 | 100 | 20.9(19.9) | 8 | 8 | 3R3 |
| BMMA000606504R7MV1 | 4.7 | 20 | 100 | 30.3(28.9) | 7 | 6.5 | 4R7 |
| BMMA000606505R6MV1 | 5.6 | 20 | 100 | 34.4(32.7) | 7 | 6 | 5R6 |
| BMMA000606506R8MV1 | 6.8 | 20 | 100 | 44.6(42.5) | 5.5 | 5.5 | 6R8 |
| BMMA000606508R2MV1 | 8.2 | 20 | 100 | 45.6(43.5) | 5.5 | 5.5 | 8R2 |
| BMMA00060650100MV1 | 10 | 20 | 100 | 71.3(67.9) | 4.5 | 4.5 | 100 |

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

- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
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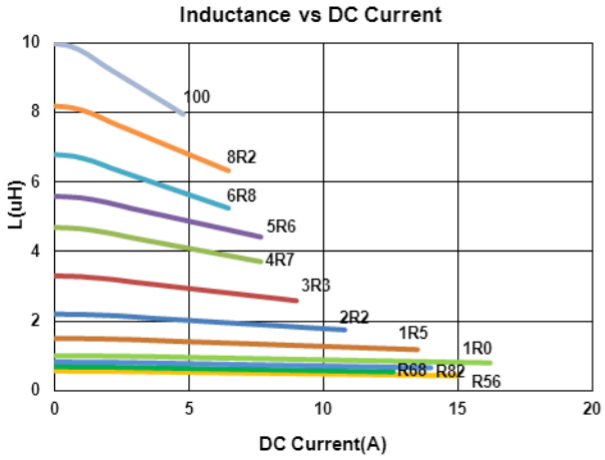
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC.
- Measure Equipment：

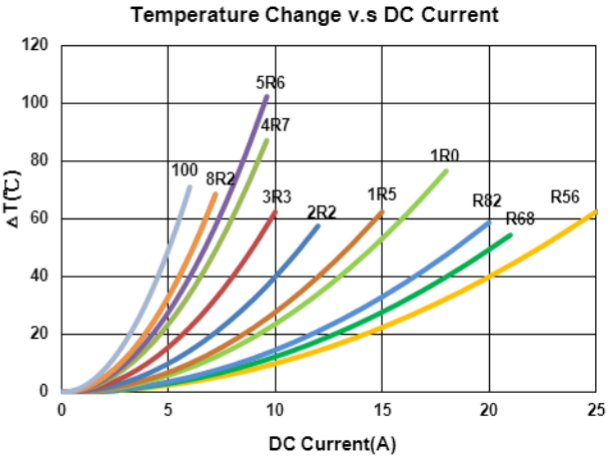
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00080830R22MV1 | 0.22 | 20 | 100 | 1.61(1.5) | 43 | 32 | R22 |
| BMMA00080830R47MV1 | 0.47 | 20 | 100 | 3.33(3.11) | 35 | 21.5 | R47 |
| BMMA000808301R0MV1 | 1.0 | 20 | 100 | 8.35(7.8) | 29 | 13.7 | 1R0 |
| BMMA000808301R5MV1 | 1.5 | 20 | 100 | 13.3(12.4) | 24 | 11 | 1R5 |
| BMMA000808304R7MV1 | 4.7 | 20 | 100 | 34.2(32) | 10.5 | 6.6 | 4R7 |

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

- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
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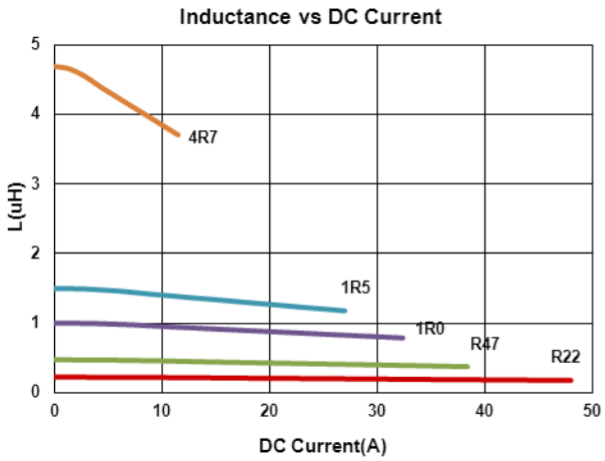
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

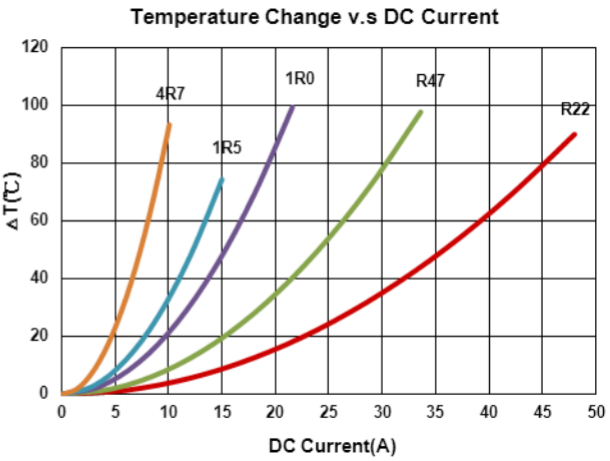
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00080840R22MV1 | 0.22 | 20 | 100 | 1.68(1.57) | 34 | 30.7 | R22 |
| BMMA00080840R47MV1 | 0.47 | 20 | 100 | 2.62(2.45) | 31.5 | 25 | R47 |
| BMMA00080840R68MV1 | 0.68 | 20 | 100 | 3.67(3.43) | 24.5 | 21 | R68 |
| BMMA000808401R0MV1 | 1.0 | 20 | 100 | 5.78(5.4) | 24 | 18 | 1R0 |
| BMMA000808402R2MV1 | 2.2 | 20 | 100 | 13.7(12.8) | 23 | 10.5 | 2R2 |
| BMMA000808404R7MV1 | 4.7 | 20 | 100 | 32(29.9) | 15 | 7.25 | 4R7 |

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

- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
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- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

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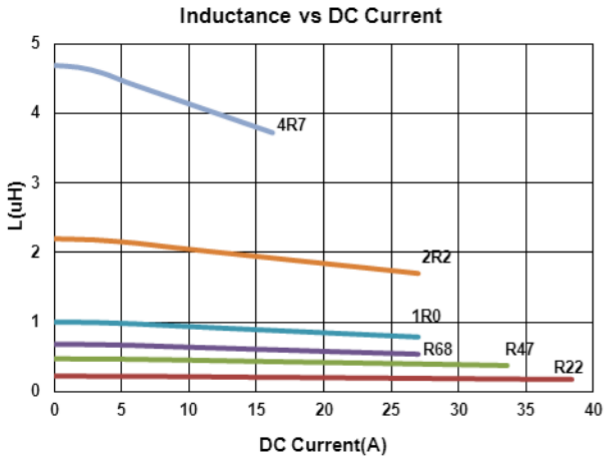
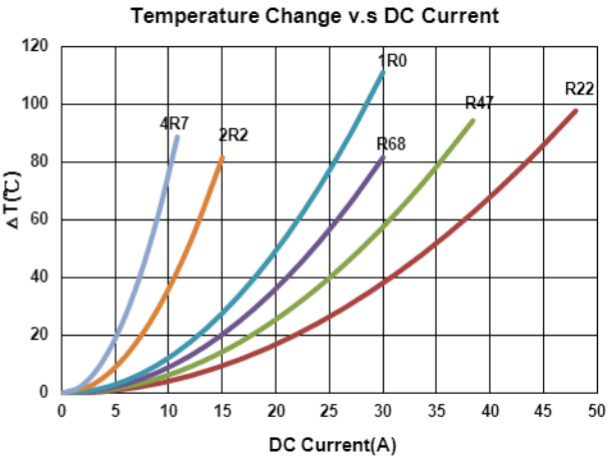
  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat(A) Max(Typ.) | Irms(A) Max(Typ.) | Marking |
|---|---|---|---|---|---|---|---|
| BMMA001010151R5MX1 | 1.5 | 20 | 100 | 26(22) | 8.5(10) | 7(7.8) | 1R5 |
| BMMA001010152R2MX1 | 2.2 | 20 | 100 | 34(28.5) | 7(8) | 5(6) | 2R2 |

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

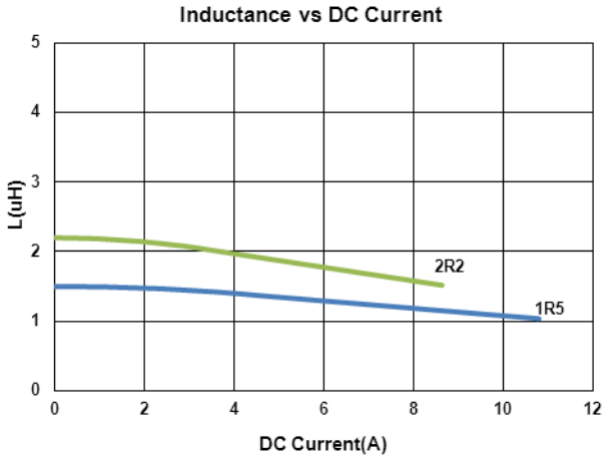
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

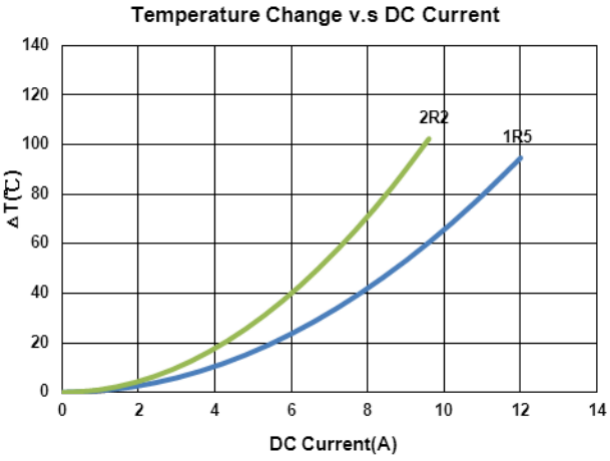
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00101030R22MX2 | 0.22 | 20 | 100 | 1.2(1.07) | 50 | 30 | R22 |
| BMMA00101030R36MX2 | 0.36 | 20 | 100 | 1.15(1.05) | 30 | 26 | R36 |
| BMMA00101030R47MX2 | 0.47 | 20 | 100 | 2.5(2.1) | 26 | 20 | R47 |
| BMMA00101030R68MX2 | 0.68 | 20 | 100 | 3.4(2.9) | 23 | 21 | R68 |
| BMMA001010301R0MX2 | 1.0 | 20 | 100 | 6(5.3) | 18 | 13 | 1R0 |
| BMMA001010302R2MX2 | 2.2 | 20 | 100 | 9(8) | 16 | 13 | 2R2 |
| BMMA001010303R3MX2 | 3.3 | 20 | 100 | 16(14.5) | 14 | 9 | 3R3 |
| BMMA001010304R7MX2 | 4.7 | 20 | 100 | 22.5(20.5) | 13 | 7 | 4R7 |
| BMMA00101030100MX2 | 10 | 20 | 100 | 55(50) | 7.5 | 5 | 100 |

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

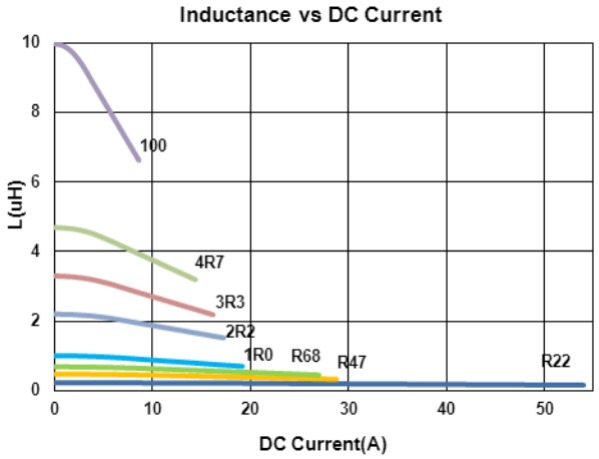
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

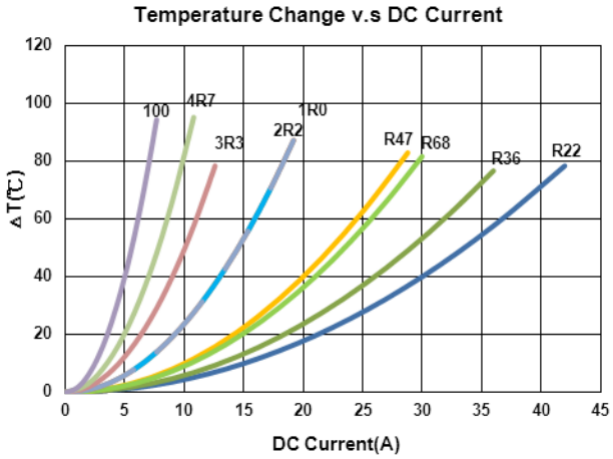
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00101040R15MX1 | 0.15 | 20 | 100 | 0.65(0.5) | 75 | 40 | R15 |
| BMMA00101040R36MX1 | 0.36 | 20 | 100 | 1.2(1.05) | 60 | 30 | R36 |
| BMMA00101040R41MX1 | 0.41 | 20 | 100 | 1.3(1.1) | 60 | 30 | R41 |
| BMMA00101040R47MX1 | 0.47 | 20 | 100 | 1.8(1.6) | 40 | 26 | R47 |
| BMMA00101040R56MX1 | 0.56 | 20 | 100 | 1.8(1.6) | 40 | 25 | R56 |
| BMMA00101040R68MX1 | 0.68 | 20 | 100 | 2.7(2.4) | 39 | 22 | R68 |
| BMMA00101040R88MX1 | 0.88 | 20 | 100 | 3(2.7) | 38 | 20 | R88 |
| BMMA001010401R0MX1 | 1.0 | 20 | 100 | 3.3(2.9) | 36 | 18 | 1R0 |
| BMMA001010401R5MX1 | 1.5 | 20 | 100 | 4.2(3.8) | 33 | 16 | 1R5 |
| BMMA001010402R2MX1 | 2.2 | 20 | 100 | 7(6.6) | 27 | 12 | 2R2 |
| BMMA001010404R7MX1 | 4.7 | 20 | 100 | 16.5(15) | 17 | 9.5 | 4R7 |
| BMMA00101040100MX1 | 10 | 20 | 100 | 30(27.5) | 6 | 6 | 100 |

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

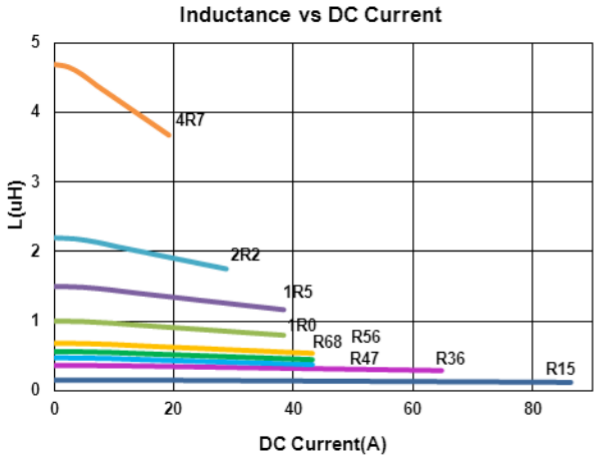
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

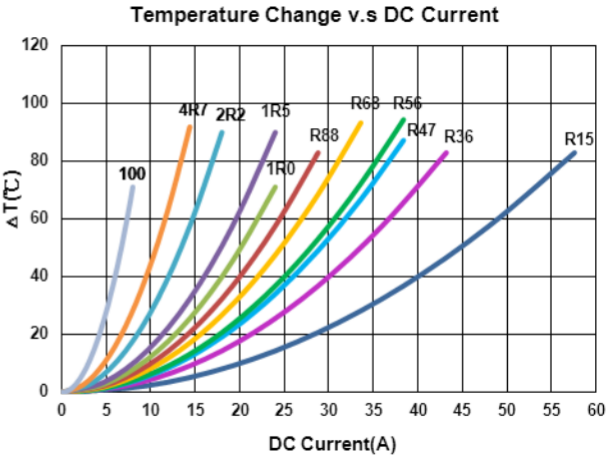
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00101040R22MX2 | 0.22 | 20 | 100 | 1(0.9) | 60 | 35 | R22 |
| BMMA00101040R36MX2 | 0.36 | 20 | 100 | 1.2(1.05) | 60 | 30 | R36 |
| BMMA00101040R56MX2 | 0.56 | 20 | 100 | 1.8(1.6) | 33 | 25 | R56 |
| BMMA001010401R0MX2 | 1.0 | 20 | 100 | 3.3(3) | 28 | 18 | 1R0 |
| BMMA001010401R5MX2 | 1.5 | 20 | 100 | 4.2(3.8) | 32 | 16 | 1R5 |
| BMMA001010401R8MX2 | 1.8 | 20 | 100 | 5(4.5) | 15 | 15 | 1R8 |
| BMMA001010403R3MX2 | 3.3 | 20 | 100 | 11.8(10.8) | 16 | 10 | 3R3 |
| BMMA001010405R6MX2 | 5.6 | 20 | 100 | 23(20) | 14 | 8 | 5R6 |
| BMMA001010406R8MX2 | 6.8 | 20 | 100 | 25(22.5) | 9 | 6.5 | 6R8 |
| BMMA00101040100MX2 | 10 | 20 | 100 | 30(27) | 8.5 | 7.5 | 100 |

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

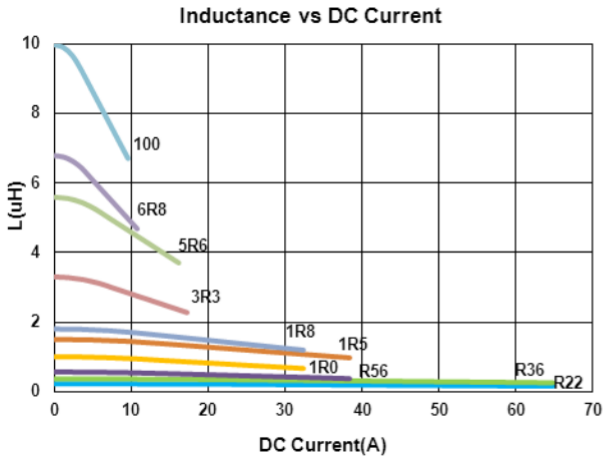
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

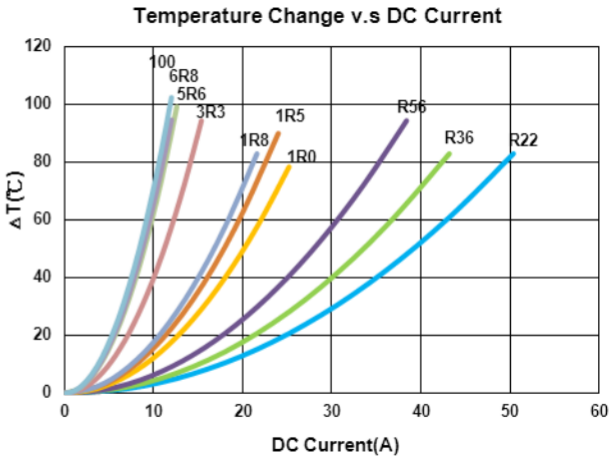
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00101040R19MV1 | 0.19 | 20 | 100 | 0.95(0.87) | 90 | 40 | R19 |
| BMMA00101040R36MV1 | 0.36 | 20 | 100 | 1.4(1.3) | 60 | 31.5 | R36 |
| BMMA00101040R56MV1 | 0.56 | 20 | 100 | 1.8(1.7) | 49 | 27.5 | R56 |
| BMMA001010401R0MV1 | 1.0 | 20 | 100 | 4.1(3.7) | 36 | 17.5 | 1R0 |
| BMMA001010401R5MV1 | 1.5 | 20 | 100 | 5.8(5.3) | 27.5 | 15 | 1R5 |
| BMMA001010402R2MV1 | 2.2 | 20 | 100 | 9(8.2) | 25.6 | 12 | 2R2 |
| BMMA001010403R3MV1 | 3.3 | 20 | 100 | 11.8(10.8) | 18.6 | 10 | 3R3 |
| BMMA001010404R7MV1 | 4.7 | 20 | 100 | 16.5(15) | 17 | 9.5 | 4R7 |
| BMMA001010405R6MV1 | 5.6 | 20 | 100 | 19.3(17.6) | 16 | 8.5 | 5R6 |
| BMMA001010406R8MV1 | 6.8 | 20 | 100 | 23.3(21.2) | 13.5 | 8 | 6R8 |
| BMMA00101040100MV1 | 10 | 20 | 100 | 36.5(33.2) | 12 | 6.8 | 100 |

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

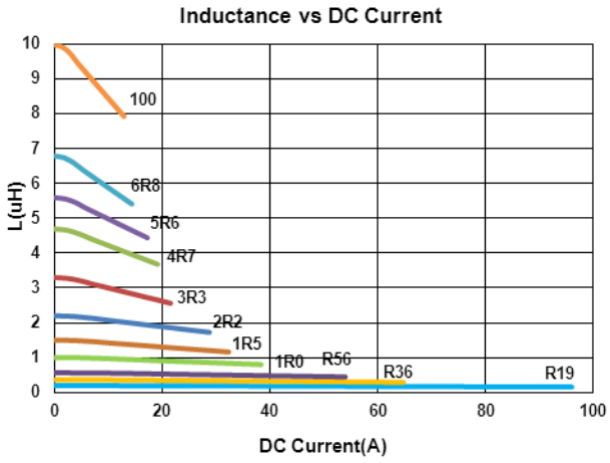
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

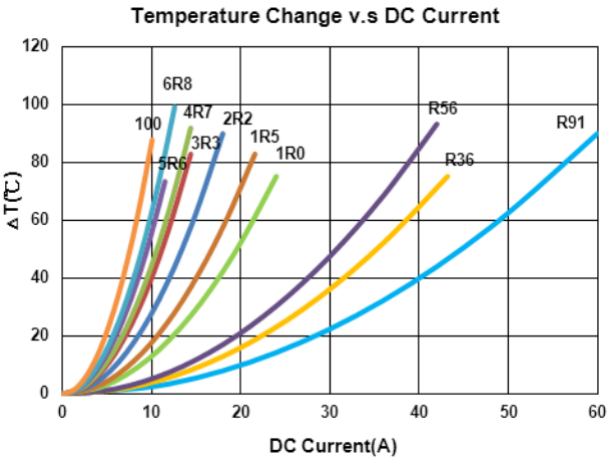
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC (mΩ)±10% | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA001010402R2MI8 | 2.2 | 20 | 100 | 5.5 | 20 | 15 | 2R2 |

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

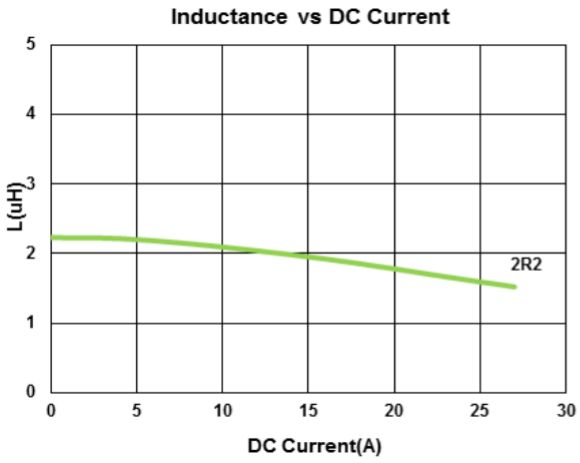
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 25% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

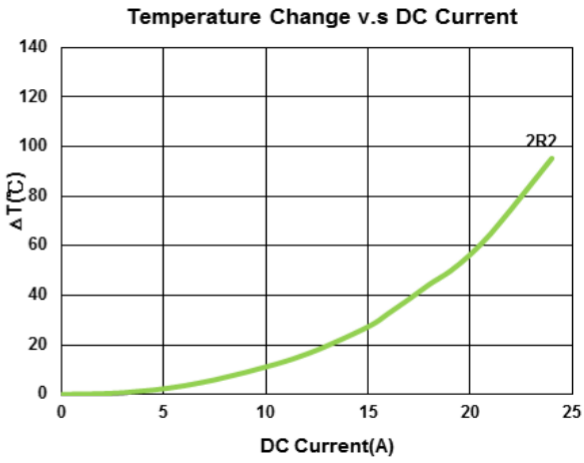
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA001010452R2MX1 | 2.2 | 20 | 100 | 7(5.8) | 16 | 14 | 2R2 |

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

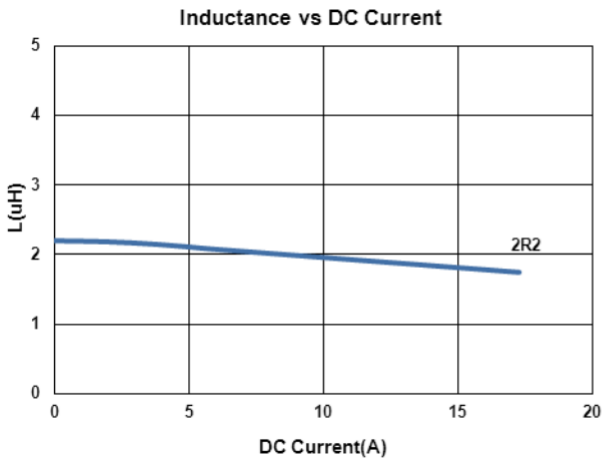
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

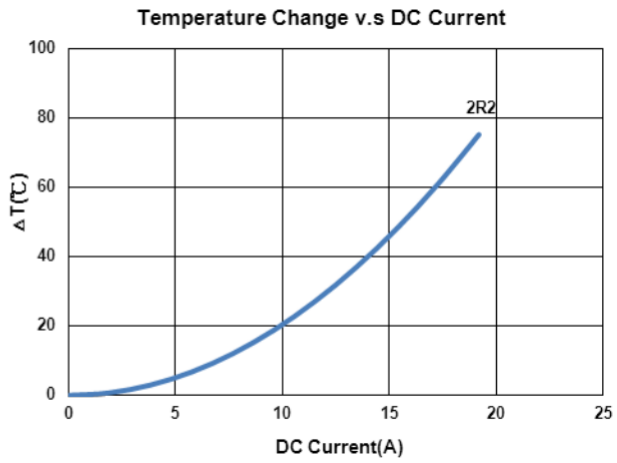
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA001010452R2MX2 | 2.2 | 20 | 100 | 7(5.8) | 16 | 14 | 2R2 |
| BMMA001010453R3MX2 | 3.3 | 20 | 100 | 13.2(11) | 14.5 | 11 | 3R3 |
| BMMA001010454R7MX2 | 4.7 | 20 | 100 | 15(13.2) | 13 | 10 | 4R7 |
| BMMA001010456R8MX2 | 6.8 | 20 | 100 | 24(21.5) | 9.5 | 7.5 | 6R8 |

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

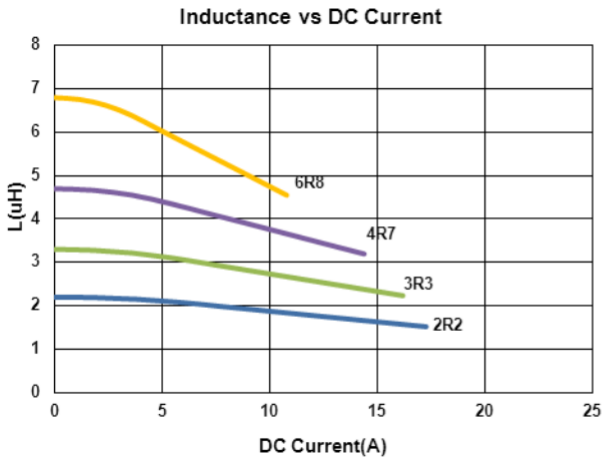
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

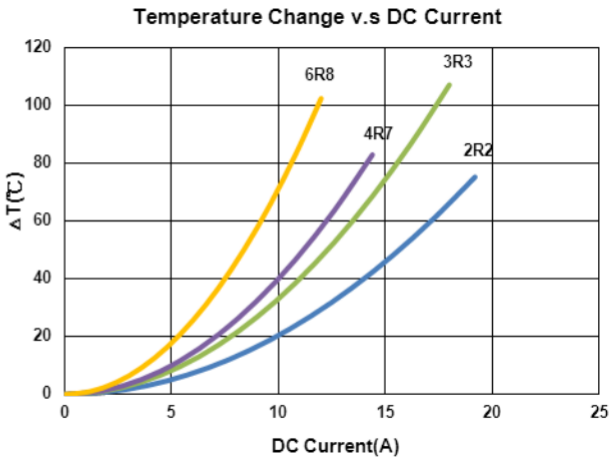
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00101050R47MX2 | 0.47 | 20 | 100 | 1.1(0.95) | 50 | 36 | R47 |

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

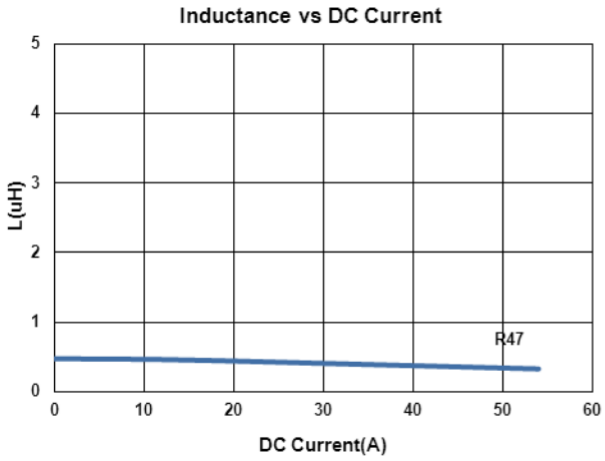
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

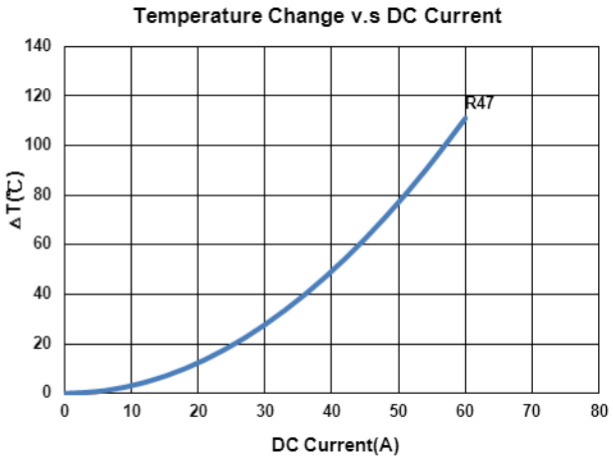
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00131335R22MX1 | 0.22 | 20 | 100 | 1.3(1.1) | 65 | 38.5 | R22 |
| BMMA00131335R33MX1 | 0.33 | 20 | 100 | 1.5(1.3) | 62 | 36.5 | R33 |
| BMMA00131335R47MX1 | 0.47 | 20 | 100 | 2(1.6) | 55 | 32 | R47 |
| BMMA00131335R56MX1 | 0.56 | 20 | 100 | 2.2(1.8) | 51 | 29 | R56 |
| BMMA00131335R68MX1 | 0.68 | 20 | 100 | 2.5(2.3) | 49 | 28 | R68 |
| BMMA001313351R0MX1 | 1.0 | 20 | 100 | 3.5(3.3) | 40 | 24 | 1R0 |
| BMMA001313351R5MX1 | 1.5 | 20 | 100 | 5.5(5.1) | 35 | 19 | 1R5 |
| BMMA001313352R2MX1 | 2.2 | 20 | 100 | 8(7.2) | 29 | 16 | 2R2 |
| BMMA001313353R3MX1 | 3.3 | 20 | 100 | 12(11) | 27 | 12 | 3R3 |
| BMMA001313354R7MX1 | 4.7 | 20 | 100 | 18(16) | 22 | 9 | 4R7 |

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

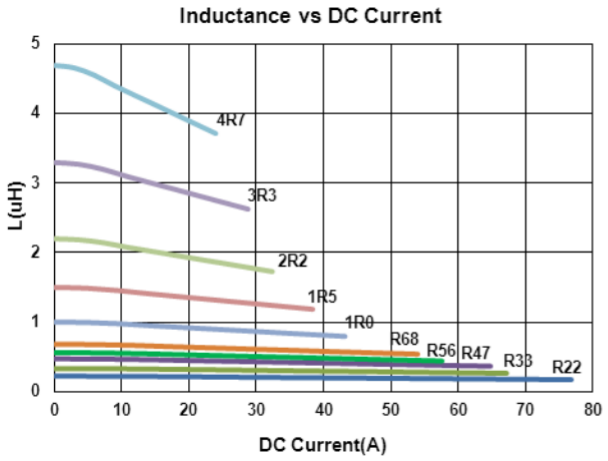
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

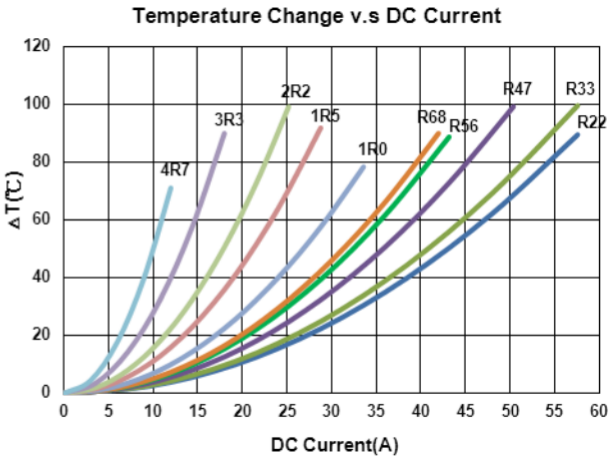
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00131335R15MV1 | 0.15 | 20 | 100 | 1.2(1) | 75 | 41 | R15 |
| BMMA00131335R22MV1 | 0.22 | 20 | 100 | 1.3(1.1) | 65 | 38.5 | R22 |
| BMMA00131335R33MV1 | 0.33 | 20 | 100 | 1.5(1.3) | 62 | 36.5 | R33 |
| BMMA00131335R47MV1 | 0.47 | 20 | 100 | 2(1.6) | 55 | 32 | R47 |
| BMMA00131335R60MV1 | 0.60 | 20 | 100 | 2.2(1.8) | 51 | 29 | R60 |
| BMMA00131335R68MV1 | 0.68 | 20 | 100 | 2.5(2.3) | 49 | 28 | R68 |
| BMMA00131335R82MV1 | 0.82 | 20 | 100 | 3(2.6) | 44 | 25 | R82 |
| BMMA001313351R0MV1 | 1.0 | 20 | 100 | 3.5(3.3) | 40 | 24 | 1R0 |
| BMMA001313351R5MV1 | 1.5 | 20 | 100 | 5.5(5.1) | 35 | 19 | 1R5 |
| BMMA001313351R8MV1 | 1.8 | 20 | 100 | 7(6.5) | 30 | 16.5 | 1R8 |
| BMMA001313352R2MV1 | 2.2 | 20 | 100 | 8(7.2) | 29 | 16 | 2R2 |
| BMMA001313353R3MV1 | 3.3 | 20 | 100 | 12(11) | 27 | 12 | 3R3 |
| BMMA001313354R7MV1 | 4.7 | 20 | 100 | 15(14.3) | 24 | 10 | 4R7 |
| BMMA001313355R6MV1 | 5.6 | 20 | 100 | 19(18.3) | 19 | 9.5 | 5R6 |
| BMMA001313356R8MV1 | 6.8 | 20 | 100 | 22(19.8) | 18 | 9 | 6R8 |
| BMMA001313358R2MV1 | 8.2 | 20 | 100 | 28(24.8) | 16 | 8.5 | 8R2 |
| BMMA00131335100MV1 | 10 | 20 | 100 | 34(30.4) | 14 | 7 | 100 |

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

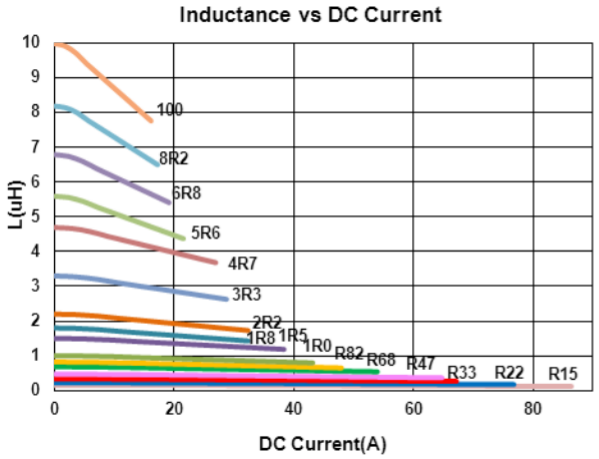
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

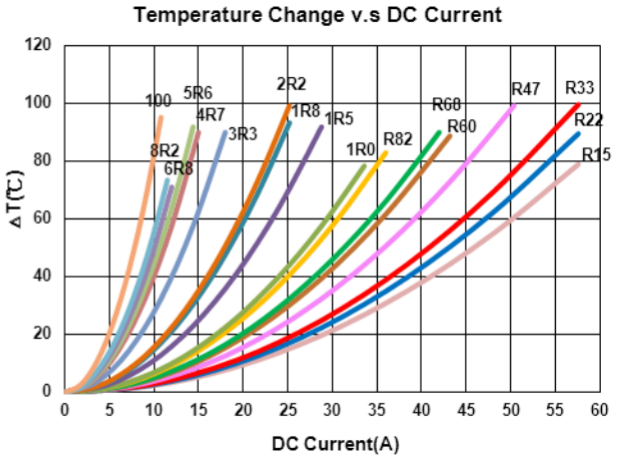
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00131350R15MX1 | 0.15 | 20 | 100 | 0.7(0.55) | 110 | 45 | R15 |
| BMMA00131350R36MX1 | 0.36 | 20 | 100 | 1.1(0.77) | 75 | 41 | R36 |
| BMMA00131350R47MX1 | 0.47 | 20 | 100 | 1.3(1.1) | 65 | 38 | R47 |
| BMMA00131350R50MX1 | 0.50 | 20 | 100 | 1.5(1.2) | 55 | 36 | R50 |
| BMMA00131350R56MX1 | 0.56 | 20 | 100 | 1.5(1.2) | 55 | 36 | R56 |
| BMMA00131350R68MX1 | 0.68 | 20 | 100 | 1.7(1.5) | 54 | 34 | R68 |
| BMMA00131350R82MX1 | 0.82 | 20 | 100 | 2.1(1.8) | 53 | 31 | R82 |
| BMMA001313501R0MX1 | 1.0 | 20 | 100 | 2.5(2.1) | 50 | 29 | 1R0 |
| BMMA001313501R5MX1 | 1.5 | 20 | 100 | 4.1(3.4) | 48 | 23 | 1R5 |
| BMMA001313502R2MX1 | 2.2 | 20 | 100 | 5.5(4.6) | 32 | 20 | 2R2 |
| BMMA001313503R3MX1 | 3.3 | 20 | 100 | 9.2(7.7) | 32 | 15 | 3R3 |
| BMMA001313504R7MX1 | 4.7 | 20 | 100 | 15(12.8) | 27 | 12 | 4R7 |
| BMMA001313506R8MX1 | 6.8 | 20 | 100 | 18.5(15.4) | 21 | 11 | 6R8 |

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

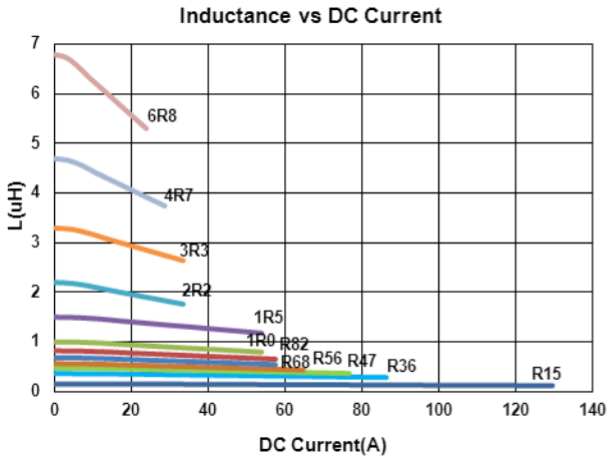
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 20% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

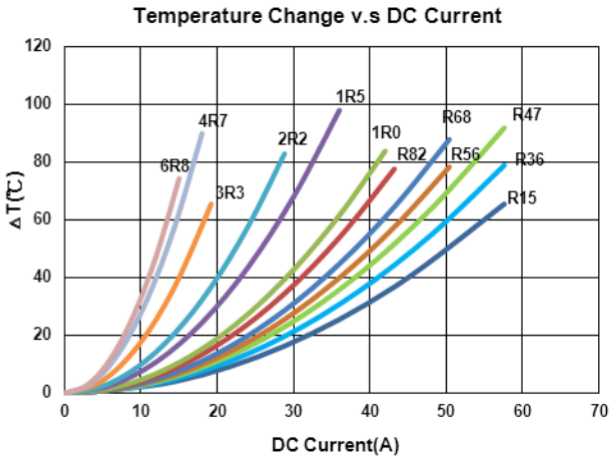
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00131350R82MX2 | 0.82 | 20 | 100 | 1.67(1.45) | 39 | 30 | R82 |
| BMMA001313501R0MX2 | 1.0 | 20 | 100 | 2.2(1.9) | 35 | 26 | 1R0 |
| BMMA001313501R5MX2 | 1.5 | 20 | 100 | 3.2(2.8) | 33 | 23 | 1R5 |
| BMMA001313502R2MX2 | 2.2 | 20 | 100 | 5(4) | 24 | 15 | 2R2 |
| BMMA001313503R3MX2 | 3.3 | 20 | 100 | 7(5.9) | 22 | 14 | 3R3 |
| BMMA00131350100MX2 | 10 | 20 | 100 | 22(19) | 12 | 9 | 100 |

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

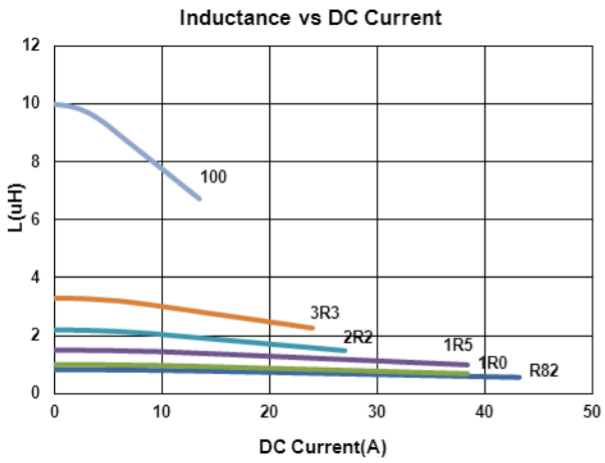
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

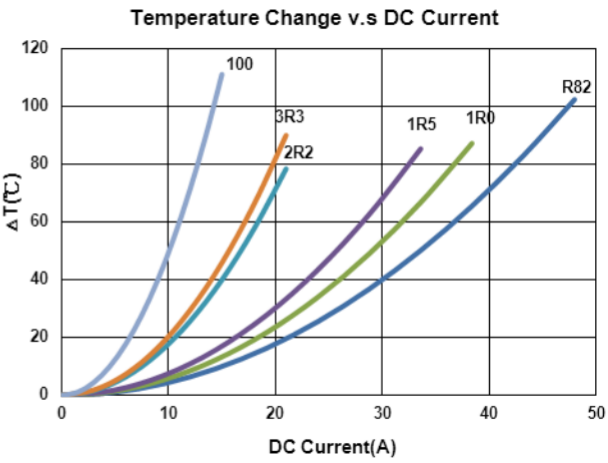
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00131350R10MV1 | 0.10 | 20 | 100 | 0.6(0.53) | 118 | 55 | R10 |
| BMMA00131350R22MV1 | 0.22 | 20 | 100 | 0.8(0.64) | 110 | 51 | R22 |
| BMMA00131350R33MV1 | 0.33 | 20 | 100 | 1.1(0.85) | 80 | 42 | R33 |
| BMMA00131350R47MV1 | 0.47 | 20 | 100 | 1.3(1.1) | 65 | 38 | R47 |
| BMMA00131350R56MV1 | 0.56 | 20 | 100 | 1.5(1.3) | 55 | 36 | R56 |
| BMMA00131350R68MV1 | 0.68 | 20 | 100 | 1.7(1.5) | 54 | 34 | R68 |
| BMMA00131350R82MV1 | 0.82 | 20 | 100 | 2.3(2.0) | 53 | 31 | R82 |
| BMMA001313501R0MV1 | 1.0 | 20 | 100 | 2.5(2.1) | 50 | 29 | 1R0 |
| BMMA001313501R5MV1 | 1.5 | 20 | 100 | 4.1(3.4) | 48 | 23 | 1R5 |
| BMMA001313501R8MV1 | 1.8 | 20 | 100 | 4.9(4.2) | 40 | 19 | 1R8 |
| BMMA001313502R2MV1 | 2.2 | 20 | 100 | 5.5(4.6) | 32 | 20 | 2R2 |
| BMMA001313503R3MV1 | 3.3 | 20 | 100 | 9.2(7.7) | 32 | 15 | 3R3 |
| BMMA001313504R7MV1 | 4.7 | 20 | 100 | 15(12.8) | 27 | 12 | 4R7 |
| BMMA001313505R6MV1 | 5.6 | 20 | 100 | 16.5(14) | 22 | 11.5 | 5R6 |
| BMMA001313506R8MV1 | 6.8 | 20 | 100 | 18.5(15.4) | 21 | 11 | 6R8 |
| BMMA001313507R8MV1 | 7.8 | 20 | 100 | 20.5(17.2) | 18 | 10 | 7R8 |
| BMMA001313508R2MV1 | 8.2 | 20 | 100 | 22.5(18.9) | 18 | 9.5 | 8R2 |
| BMMA00131350100MV1 | 10 | 20 | 100 | 25.5(21.4) | 16 | 9 | 100 |

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

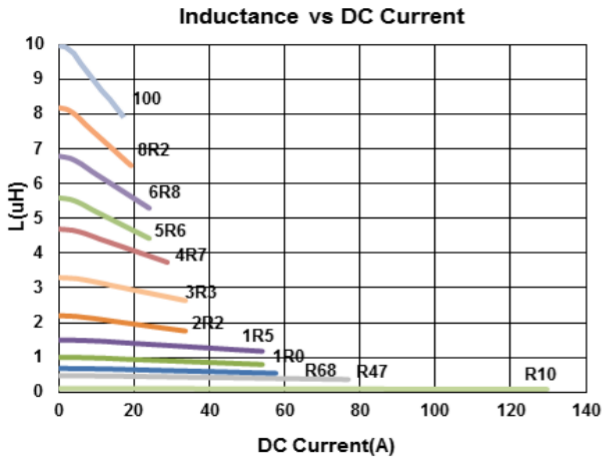
- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
- Isat for Inductance drop 30% from its value without current
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

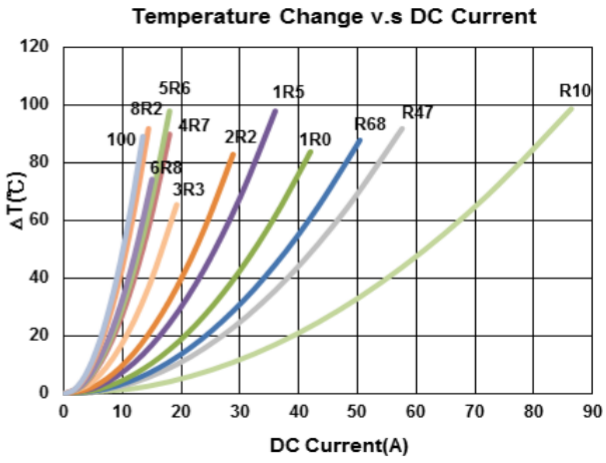
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA00131364R22MV1 | 0.22 | 20 | 100 | 0.7(0.63) | 112 | 53 | R22 |
| BMMA00131364R33MV1 | 0.33 | 20 | 100 | 0.9(0.83) | 65 | 46 | R33 |
| BMMA00131364R47MV1 | 0.47 | 20 | 100 | 1.2(1) | 63 | 41 | R47 |
| BMMA00131364R56MV1 | 0.56 | 20 | 100 | 1.4(1.2) | 62 | 37 | R56 |
| BMMA00131364R68MV1 | 0.68 | 20 | 100 | 1.6(1.4) | 60 | 35 | R68 |
| BMMA00131364R82MV1 | 0.82 | 20 | 100 | 1.9(1.6) | 50 | 33 | R82 |
| BMMA001313641R0MV1 | 1.0 | 20 | 100 | 2(1.7) | 49 | 32 | 1R0 |
| BMMA001313641R5MV1 | 1.5 | 20 | 100 | 3(2.5) | 45 | 27 | 1R5 |
| BMMA001313641R8MV1 | 1.8 | 20 | 100 | 3.2(2.8) | 41 | 24 | 1R8 |
| BMMA001313642R2MV1 | 2.2 | 20 | 100 | 4.2(3.5) | 40 | 22 | 2R2 |
| BMMA001313643R3MV1 | 3.3 | 20 | 100 | 6.8(5.7) | 35 | 18 | 3R3 |
| BMMA001313644R7MV1 | 4.7 | 20 | 100 | 11.2(9.3) | 30 | 13.5 | 4R7 |
| BMMA001313645R6MV1 | 5.6 | 20 | 100 | 10(9.3) | 32 | 13.5 | 5R6 |
| BMMA001313646R8MV1 | 6.8 | 20 | 100 | 14(13.1) | 16.5 | 11.5 | 6R8 |
| BMMA001313648R2MV1 | 8.2 | 20 | 100 | 15.5(14.5) | 16 | 10.5 | 8R2 |
| BMMA00131364100MV1 | 10 | 20 | 100 | 17.2(16.4) | 15.5 | 10 | 100 |

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

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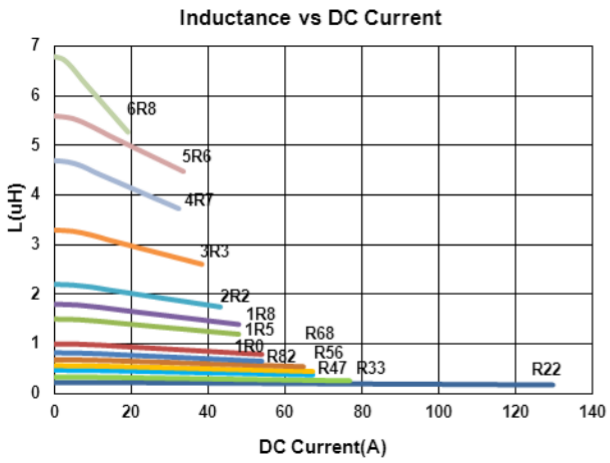
- Irms for a 40℃ temperature rise from 25℃ ambient with current
- Withstand voltage: 25V DC
- Measure Equipment：

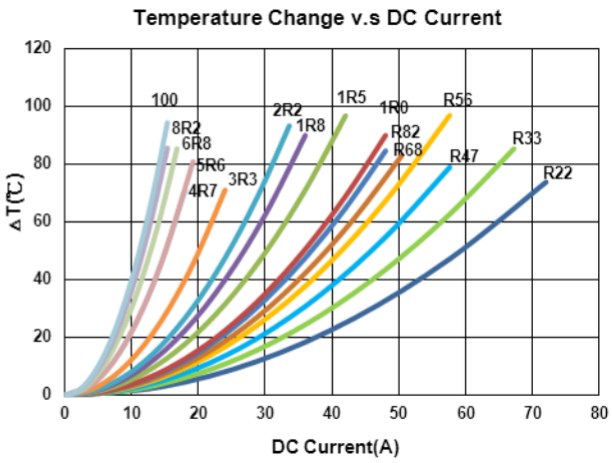
  L：WK 3260B or WK 6500P, 100kHz 0.25V

  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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



# Molding Power Inductors – BMMA Series

## Electrical Characteristics

| Part Number | Inductance (uH) | Tolerance (±%) | Test Frequency (kHz) | RDC(mΩ) Max(Typ.) | Isat (A)Typ. | Irms (A)Typ. | Marking |
|---|---|---|---|---|---|---|---|
| BMMA001717701R0MV1 | 1.0 | 20 | 100 | 1.38(1.28) | 73 | 48 | 1R0 |
| BMMA001717702R2MV1 | 2.2 | 20 | 100 | 2.53(2.4) | 62 | 35 | 2R2 |
| BMMA001717703R3MV1 | 3.3 | 20 | 100 | 3.88(3.68) | 54 | 28 | 3R3 |
| BMMA001717704R7MV1 | 4.7 | 20 | 100 | 5.11(4.84) | 41 | 25 | 4R7 |
| BMMA001717706R8MV1 | 6.8 | 20 | 100 | 8.83(8.37) | 32 | 19 | 6R8 |

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

- Operating temperature range - 55℃ ~ 125℃(Including self - temperature rise)
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- Irms for a 40℃ temperature rise from 25℃ ambient with current
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- Measure Equipment：

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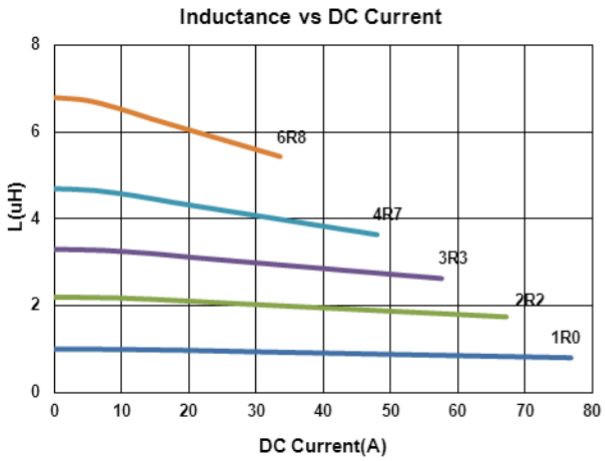
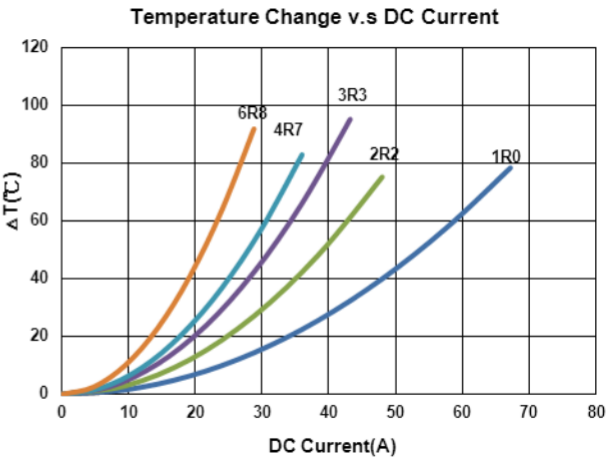
  RDC：CHEN HWA 502 or CHEN HWA 46502B

  Irms：CHROMA 1810

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

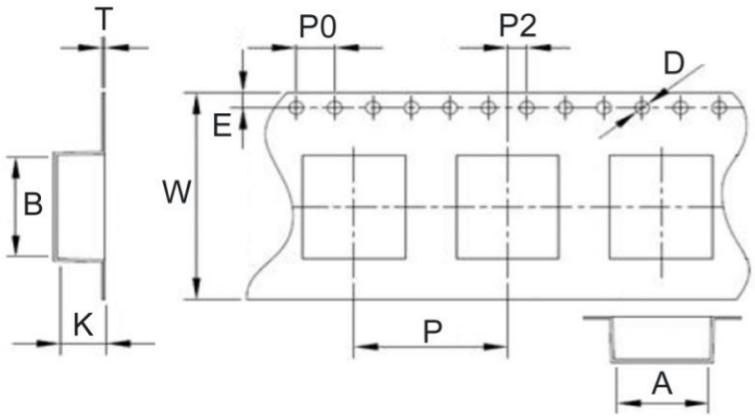


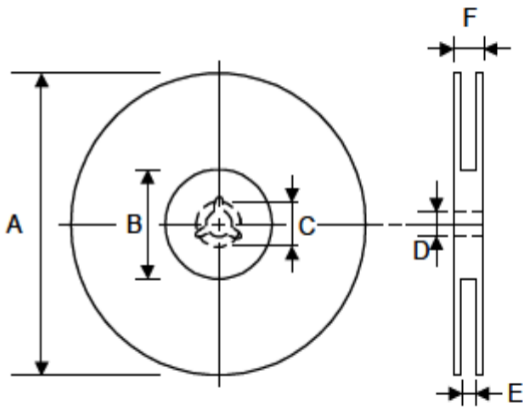
# Molding Power Inductors – BMMA Series

## Packaging Specifications

**Tape Dimensions**




**Reel Dimensions**




**Dimensions in mm**

| TYPE | Tape Dimensions | | | | | | | | | | Reel Dimensions | | | | | | Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | K | T | D | E | W | P | P0 | P2 | A | B | C | D | E | F | PCS / REEL |
| BMMA00040412 | 4.5 | 4.9 | 1.7 | 0.35 | 1.5 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 21.5 | 13 | 12.4 | 17.4 | 2000 |
| BMMA00040420 | 4.4 | 4.9 | 2.4 | 0.35 | 1.5 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 21.5 | 13 | 12.4 | 17.4 | 2000 |
| BMMA00050512 | 5.4 | 5.8 | 1.4 | 0.3 | 1.5 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 21.5 | 13 | 12.4 | 17.4 | 1000 |
| BMMA00050518 | 5.4 | 5.8 | 1.95 | 0.3 | 1.5 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 21.5 | 13 | 12.4 | 17.4 | 1000 |
| BMMA00050520 | 5.4 | 5.8 | 2.3 | 0.3 | 1.5 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 21.5 | 13 | 12.4 | 17.4 | 1000 |
| BMMA00050530-Xx | 5.0 | 5.4 | 3.2 | 0.35 | 1.5 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 21.5 | 13 | 12.4 | 17.4 | 1000 |
| BMMA00050530-V1 | 5.4 | 5.9 | 3.3 | 0.35 | 1.5 | 1.75 | 12 | 8 | 4 | 2 | 330 | 100 | 21.5 | 13 | 12.4 | 17.4 | 1000 |
| BMMA00060618 | 6.9 | 7.5 | 2.1 | 0.3 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 1000 |
| BMMA00060624 | 6.9 | 7.6 | 2.7 | 0.35 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 1000 |
| BMMA00060630 | 6.9 | 7.6 | 3.4 | 0.35 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 1000 |
| BMMA00060640 | 6.9 | 7.5 | 4.3 | 0.4 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 1000 |
| BMMA00060650-X1 | 6.9 | 7.5 | 5.2 | 0.4 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 500 |
| BMMA00060650-X2 | 6.9 | 7.5 | 5.2 | 0.4 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 500 |
| BMMA00060650-V1 | 6.9 | 7.5 | 5.2 | 0.4 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 500 |
| BMMA00080830 | 8.6 | 8.8 | 3.3 | 0.4 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 500 |
| BMMA00080840 | 8.3 | 8.5 | 4.2 | 0.35 | 1.5 | 1.75 | 16 | 12 | 4 | 2 | 330 | 100 | 21.5 | 13 | 16.4 | 21.4 | 500 |
| BMMA00101015 | 10.4 | 11.5 | 2.3 | 0.35 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 500 |
| BMMA00101030 | 10.4 | 11.5 | 3.4 | 0.35 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 500 |
| BMMA00101040 | 10.4 | 11.5 | 4.5 | 0.35 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 500 |
| BMMA00101045 | 10.4 | 11.5 | 4.9 | 0.5 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 500 |
| BMMA00101050 | 10.4 | 11.5 | 5.8 | 0.5 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 500 |
| BMMA00131335-X1 | 13.0 | 13.9 | 3.6 | 0.35 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 500 |
| BMMA00131335-V1 | 13.0 | 13.9 | 3.8 | 0.35 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 500 |
| BMMA00131350 | 13.4 | 14.0 | 5.4 | 0.4 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 250 |
| BMMA00131364 | 13.4 | 14.0 | 6.8 | 0.4 | 1.5 | 1.75 | 24 | 16 | 4 | 2 | 330 | 100 | 21.5 | 13 | 24.2 | 29.2 | 250 |
| BMMA00171770 | 17.45 | 18.5 | 7.8 | 0.5 | 1.5 | 1.75 | 32 | 24 | 4 | 2 | 330 | 100 | 21.5 | 13 | 32 | 37 | 100 |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

BMMA000404121R0MV1 BMMA0004041247NMV1 BMMA00040412R10MV1 BMMA00040412R22MV1
BMMA00040412R47MV1 BMMA00040412R47MX2 BMMA00040412R68MV1 BMMA000404201R0MV1
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