

# High-Performance Molded Power Inductors-TRMS-SA Series

The TRMS series of high-performance molded power inductors offer excellent mechanical robustness and magnetic shielding, making them ideal for high-density power conversion circuit applications. They feature high rated current and extremely low DC resistance (DCR), making them particularly suitable for high switching frequency environments where minimizing AC losses is critical.



## Features

- Soft saturation characteristics.
- 100% Lead(Pb)-Free and RoHS compliant.
- High current, low DCR, and high efficiency.
- Low acoustic and leakage flux noise.

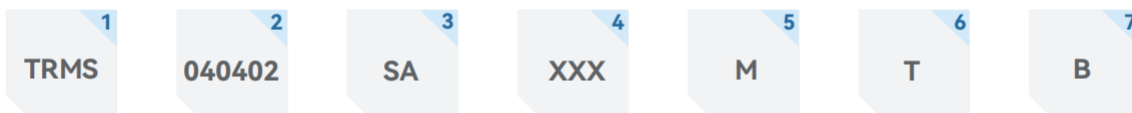
## Applications

- Note PC power system, incl. IMVP-6
- DC/DC converter

## Operating Temp

- -55°C~+125°C

## Product Identification



| 1    | Product Symbol     |
|------|--------------------|
| TRMS | SMD Power Inductor |

| 3  | Internal Code |
|----|---------------|
| SA | Alloy Powder  |

| 2      | External Dimensions(mm) |
|--------|-------------------------|
| 040402 | 4.1*4.1*1.9             |
| 040403 | 4.1*4.1*2.8             |
| 060502 | 5.5*5.3*1.9             |
| 060503 | 5.5*5.3*2.9             |
| 060505 | 5.5*5.3*4.8             |
| 070603 | 6.6*6.4*2.8             |
| 070604 | 7.2*6.9*3.8             |
| 070605 | 6.6*6.4*4.8             |
| 070606 | 6.6*6.4*5.8             |
| 080802 | 7.8*7.6*1.85            |
| 080803 | 7.8*7.6*2.9             |
| 080805 | 8.4*8.0*4.8             |
| 080807 | 7.8*7.6*6.7             |
| 090908 | 8.9*8.5*7.7             |
| 121103 | 11.9*11.0*2.9           |
| 121106 | 11.9*11.0*5.7           |
| 121110 | 11.9*11.0*9.7           |
| 171608 | 16.5*15.5*7.7           |
| 171610 | 16.5*15.5*9.7           |
| 171613 | 16.5*15.5*12.7          |

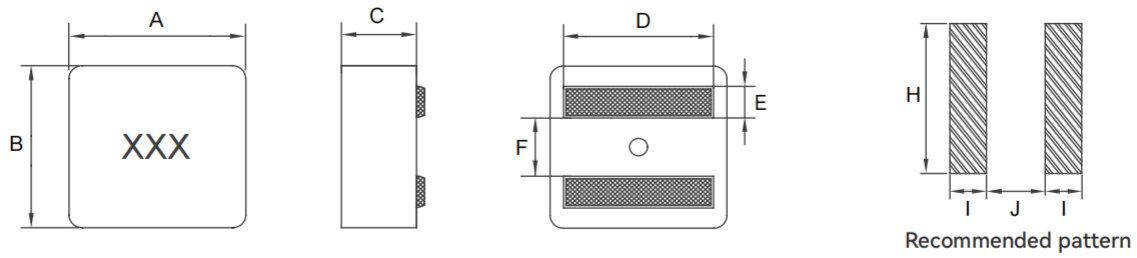
| 4   | Nominal Inductance |
|-----|--------------------|
| R47 | 0.47μH             |
| 1R0 | 1.0μH              |

| 5 | Inductance Tolerance |
|---|----------------------|
| M | ±20%                 |

| 6 | Packing              |
|---|----------------------|
| T | Tape Carrier Package |

| 7 | Internal Code |
|---|---------------|
| B | Special       |

## Shape and Dimensions



| Dimensions   |          |          |             |             |          |           |        | Unit:mm |        |
|--------------|----------|----------|-------------|-------------|----------|-----------|--------|---------|--------|
| Series       | A        | B        | C           | D           | E        | F         | H Ref. | I Ref.  | J Ref. |
| TRMS040402SA | 4.1±0.2  | 4.1±0.2  | 1.9±0.2     | 3.4±0.3     | 0.88±0.3 | 1.7±0.3   | 3.8    | 1.0     | 1.4    |
| TRMS040403SA | 4.1±0.25 | 4.1±0.25 | 2.8±0.2     | 3.4±0.3     | 0.88±0.3 | 1.7±0.3   | 3.8    | 1.0     | 1.4    |
| TRMS060502SA | 5.5±0.2  | 5.3±0.2  | 1.9±0.2     | 4.3±0.3     | 1.1±0.3  | 2.3±0.3   | 4.7    | 1.25    | 2.0    |
| TRMS060503SA | 5.5±0.2  | 5.3±0.2  | 2.9±0.2     | 4.3±0.3     | 1.1±0.3  | 2.3±0.3   | 4.7    | 1.25    | 2.0    |
| TRMS060505SA | 5.5±0.2  | 5.3±0.2  | 4.8±0.2     | 4.3±0.3     | 1.1±0.3  | 2.3±0.3   | 4.7    | 1.25    | 2.0    |
| TRMS070603SA | 6.6±0.2  | 6.4±0.2  | See Remarks | See Remarks | 1.4±0.3  | 2.6±0.3   | 5.6    | 1.55    | 2.5    |
| TRMS070604SA | 7.2±0.2  | 6.9±0.2  | 3.8±0.2     | 5.5±0.3     | 1.4±0.2  | 2.6±0.25  | 5.6    | 1.55    | 2.5    |
| TRMS070605SA | 6.6±0.2  | 6.4±0.2  | 4.8±0.2     | See Remarks | 1.4±0.3  | 2.6±0.3   | 5.6    | 1.55    | 2.5    |
| TRMS070606SA | 6.6±0.2  | 6.4±0.2  | 5.8±0.2     | 5.3±0.3     | 1.4±0.3  | 2.6±0.3   | 5.6    | 1.55    | 2.5    |
| TRMS080802SA | 7.8±0.25 | 7.6±0.2  | 1.85±0.2    | See Remarks | 1.75±0.3 | 3.15±0.3  | 7.2    | 2.3     | 2.8    |
| TRMS080803SA | 7.8±0.25 | 7.6±0.2  | 2.9±0.2     | See Remarks | 1.75±0.3 | 3.15±0.3  | 7.2    | 2.3     | 2.8    |
| TRMS080805SA | 8.4±0.3  | 8.0±0.3  | 4.8±0.2     | 6.2±0.3     | 1.75±0.2 | 3.15±0.25 | 7.4    | 2.2     | 2.8    |
| TRMS080807SA | 7.8±0.25 | 7.6±0.25 | 6.7±0.3     | See Remarks | 1.75±0.3 | 3.15±0.3  | 6.7    | 2.5     | 2.8    |
| TRMS090908SA | 8.9±0.3  | 8.5±0.3  | 7.7±0.3     | See Remarks | 1.8±0.3  | 3.5±0.5   | 7.8    | 2.65    | 2.7    |
| TRMS121103SA | 11.9±0.3 | 11.0±0.3 | 2.9±0.2     | 9.0±0.5     | 2.4±0.3  | 4.4±0.5   | 11     | 3.4     | 3.7    |
| TRMS121106SA | 11.9±0.3 | 11.0±0.3 | 5.7±0.3     | See Remarks | 2.4±0.3  | 4.5±0.5   | 11     | 3.4     | 3.7    |
| TRMS121110SA | 11.9±0.3 | 11.0±0.3 | 9.7±0.3     | See Remarks | 2.4±0.3  | 4.4±0.5   | 11     | 3.4     | 3.7    |
| TRMS171608SA | 16.5±0.3 | 15.5±0.3 | 7.7±0.3     | 13.2±0.5    | 3.2±0.3  | 7.0±0.5   | 15     | 4.5     | 6.0    |
| TRMS171610SA | 16.5±0.3 | 15.5±0.3 | 9.7±0.3     | 13.2±0.5    | 3.2±0.3  | 7.4±0.3   | 15     | 4.5     | 6.0    |
| TRMS171613SA | 16.5±0.3 | 15.5±0.3 | 12.7±0.3    | 13.2±0.5    | 3.2±0.3  | 7.0±0.5   | 15     | 4.5     | 6.0    |

## Remarks:

| Series       | C (mm)  | D (mm)   | Inductance                  |
|--------------|---------|----------|-----------------------------|
| TRMS070603SA | 2.8±0.2 | 5.3±0.3  | R18/R56/R68                 |
|              | 2.8±0.2 | 5.55±0.3 | R33                         |
|              | 2.8±0.2 | 5.2±0.3  | 1R0                         |
|              | 2.8±0.2 | 5.15±0.3 | 1R2                         |
|              | 2.9±0.2 | 5.15±0.3 | 1R5                         |
|              | 2.9±0.2 | 5.1±0.3  | 1R8                         |
|              | 2.9±0.2 | 5.05±0.3 | 2R2                         |
|              | 2.9±0.2 | 5.0±0.3  | 3R3/4R5                     |
| TRMS070605SA | \       | 5.3±0.3  | R82/1R0/1R2/1R5/1R8         |
|              | \       | 5.2±0.3  | 2R2/3R3/4R3/4R7             |
| TRMS080802SA | \       | 6.6±0.3  | R27                         |
|              | \       | 6.2±0.3  | R31/R33/R47/R68/1R0         |
| TRMS080803SA | \       | 6.6±0.3  | 1R0/1R5                     |
|              | \       | 6.2±0.3  | 2R2/2R7/3R3/4R7/5R6/6R8/8R2 |
| TRMS080807SA | \       | 6.7±0.3  | 1R0/1R8/3R3/4R7/6R8         |
|              | \       | 6.5±0.3  | 6R8                         |
| TRMS090908SA | \       | 7.2±0.3  | 1R8/2R2                     |
|              | \       | 6.9±0.3  | 3R3/4R7/6R8/100             |
| TRMS121106SA | \       | 9.5±0.5  | R68                         |
|              | \       | 9.0±0.5  | 1R0/1R2/1R5/2R2/3R3/4R7     |
| TRMS121110SA | \       | 9.3±0.5  | 2R2/3R3/4R7/5R6             |
|              | \       | 9.0±0.5  | 6R8/8R2/100/150             |

## Specification

## TRMS040402SA Series

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS040402SAR10MTB | 0.10       | 33.00              | 38.00 | 13.50               | 18.00    | 2.42          |
| TRMS040402SAR22MTB | 0.22       | 18.80              | 19.50 | 13.00               | 16.80    | 4.60          |
| TRMS040402SAR36MTB | 0.36       | 15.00              | 17.00 | 11.00               | 14.50    | 6.30          |
| TRMS040402SAR40MTB | 0.40       | 13.50              | 15.50 | 10.00               | 14.00    | 7.73          |
| TRMS040402SAR47MTB | 0.47       | 13.00              | 14.50 | 9.00                | 12.50    | 8.58          |
| TRMS040402SAR56MTB | 0.56       | 12.60              | 14.00 | 8.50                | 12.00    | 9.30          |
| TRMS040402SAR60MTB | 0.60       | 12.30              | 13.70 | 8.00                | 11.70    | 9.52          |
| TRMS040402SAR72MTB | 0.72       | 10.60              | 12.00 | 7.60                | 10.50    | 11.60         |
| TRMS040402SA1R0MTB | 1.0        | 8.80               | 9.60  | 6.80                | 9.60     | 14.60         |
| TRMS040402SA1R2MTB | 1.2        | 7.80               | 9.00  | 6.60                | 9.00     | 17.90         |
| TRMS040402SA1R5MTB | 1.5        | 7.40               | 8.00  | 5.80                | 7.60     | 23.50         |
| TRMS040402SA1R8MTB | 1.8        | 7.00               | 7.50  | 5.20                | 7.00     | 28.00         |
| TRMS040402SA2R2MTB | 2.2        | 6.00               | 6.50  | 4.60                | 5.60     | 38.70         |

## TRMS040403SA Series

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS040403SAR47MTB | 0.47       | 15.00              | 17.00 | 10.00               | 14.00    | 7.26          |
| TRMS040403SAR90MTB | 0.90       | 9.00               | 10.00 | 8.20                | 11.20    | 10.10         |
| TRMS040403SA1R0MTB | 1.0        | 9.20               | 9.80  | 8.00                | 11.00    | 10.10         |
| TRMS040403SA1R2MTB | 1.2        | 8.70               | 9.20  | 7.80                | 9.80     | 11.50         |
| TRMS040403SA1R5MTB | 1.5        | 7.00               | 8.00  | 7.00                | 9.00     | 13.20         |
| TRMS040403SA2R2MTB | 2.2        | 6.10               | 7.00  | 6.00                | 7.80     | 22.60         |
| TRMS040403SA3R3MTB | 3.3        | 5.30               | 6.20  | 5.00                | 6.60     | 28.60         |
| TRMS040403SA4R7MTB | 4.7        | 4.00               | 4.50  | 3.90                | 5.10     | 44.10         |
| TRMS040403SA6R8MTB | 6.8        | 3.00               | 3.60  | 3.00                | 3.90     | 74.10         |

## TRMS060502SA Series

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS060502SAR15MTB | 0.15       | 27.00              | 30.00 | 13.90               | 18.80    | 4.60          |
| TRMS060502SAR16MTB | 0.16       | 27.00              | 30.00 | 13.90               | 18.80    | 4.60          |
| TRMS060502SAR33MTB | 0.33       | 24.00              | 26.00 | 10.50               | 14.40    | 7.00          |
| TRMS060502SAR47MTB | 0.47       | 20.00              | 22.00 | 10.10               | 14.10    | 8.05          |
| TRMS060502SAR56MTB | 0.56       | 16.00              | 19.00 | 9.90                | 13.90    | 9.54          |
| TRMS060502SAR68MTB | 0.68       | 14.00              | 16.00 | 9.60                | 13.40    | 10.20         |
| TRMS060502SAR80MTB | 0.80       | 13.50              | 15.50 | 9.40                | 13.00    | 11.80         |
| TRMS060502SAR82MTB | 0.82       | 13.00              | 15.00 | 8.50                | 12.00    | 12.70         |
| TRMS060502SA1R0MTB | 1.0        | 12.80              | 14.50 | 7.50                | 10.50    | 13.80         |
| TRMS060502SA1R2MTB | 1.2        | 12.20              | 14.00 | 6.80                | 9.40     | 16.30         |
| TRMS060502SA1R5MTB | 1.5        | 11.70              | 13.30 | 6.40                | 8.80     | 18.70         |

## TRMS060503SA Series

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS060503SAR15MTB | 0.15       | 32.50              | 36.00 | 14.30               | 22.20    | 2.31          |
| TRMS060503SAR16MTB | 0.16       | 32.00              | 35.00 | 14.20               | 22.20    | 2.33          |
| TRMS060503SAR33MTB | 0.33       | 26.00              | 28.00 | 13.80               | 19.20    | 3.52          |

## TRMS060503SA Series

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS060503SAR47MTB | 0.47       | 24.00              | 26.00 | 13.70               | 18.40    | 4.13          |
| TRMS060503SAR56MTB | 0.56       | 20.20              | 22.20 | 13.60               | 17.70    | 4.52          |
| TRMS060503SAR60MTB | 0.60       | 20.00              | 22.00 | 13.60               | 17.70    | 4.52          |
| TRMS060503SAR80MTB | 0.80       | 18.00              | 20.00 | 10.10               | 13.10    | 5.65          |
| TRMS060503SAR82MTB | 0.82       | 17.60              | 19.70 | 9.90                | 12.90    | 5.78          |
| TRMS060503SA1R0MTB | 1.0        | 14.30              | 16.50 | 9.00                | 12.20    | 7.60          |
| TRMS060503SA1R2MTB | 1.2        | 13.50              | 15.00 | 8.50                | 11.00    | 9.70          |
| TRMS060503SA1R5MTB | 1.5        | 12.50              | 14.00 | 8.00                | 10.50    | 11.20         |
| TRMS060503SA1R8MTB | 1.8        | 11.30              | 12.30 | 7.60                | 10.10    | 12.70         |
| TRMS060503SA2R2MTB | 2.2        | 9.00               | 10.00 | 7.20                | 9.70     | 14.50         |
| TRMS060503SA3R3MTB | 3.3        | 8.70               | 9.50  | 5.90                | 8.10     | 23.10         |
| TRMS060503SA4R7MTB | 4.7        | 7.00               | 8.20  | 4.30                | 5.90     | 36.30         |

## TRMS060505SA Series

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS060505SA2R2MTB | 2.2        | 11.00              | 11.00 | 9.80                | 13.80    | 9.40          |
| TRMS060505SA3R3MTB | 3.3        | 9.00               | 10.00 | 7.50                | 10.00    | 12.30         |
| TRMS060505SA4R7MTB | 4.7        | 7.40               | 8.80  | 5.90                | 8.10     | 21.00         |
| TRMS060505SA5R6MTB | 5.6        | 7.20               | 8.60  | 5.30                | 7.20     | 24.20         |
| TRMS060505SA6R8MTB | 6.8        | 6.60               | 7.80  | 4.80                | 6.40     | 28.60         |
| TRMS060505SA8R2MTB | 8.2        | 6.10               | 7.20  | 4.60                | 6.10     | 32.50         |
| TRMS060505SA100MTB | 10         | 5.40               | 6.50  | 3.80                | 5.00     | 43.00         |
| TRMS060505SA150MTB | 15         | 3.20               | 3.70  | 3.00                | 3.90     | 76.70         |
| TRMS060505SA220MTB | 22         | 3.00               | 3.60  | 2.50                | 3.40     | 99.65         |

## TRMS070603SA Series

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS070603SAR18MTB | 0.18       | 36.00              | 40.00 | 24.00               | 32.00    | 1.75          |
| TRMS070603SAR33MTB | 0.33       | 28.00              | 32.00 | 20.00               | 25.00    | 2.50          |
| TRMS070603SAR56MTB | 0.56       | 25.00              | 29.00 | 17.00               | 22.00    | 3.31          |
| TRMS070603SAR68MTB | 0.68       | 21.00              | 25.00 | 15.00               | 20.00    | 5.17          |
| TRMS070603SA1R0MTB | 1.0        | 18.00              | 23.00 | 13.00               | 18.00    | 6.05          |
| TRMS070603SA1R2MTB | 1.2        | 16.00              | 22.00 | 12.00               | 16.00    | 7.40          |
| TRMS070603SA1R5MTB | 1.5        | 15.50              | 20.00 | 11.00               | 15.00    | 9.13          |
| TRMS070603SA1R8MTB | 1.8        | 13.00              | 18.20 | 10.00               | 14.00    | 10.20         |
| TRMS070603SA2R2MTB | 2.2        | 11.00              | 15.90 | 7.00                | 10.00    | 12.20         |
| TRMS070603SA3R3MTB | 3.3        | 9.00               | 12.20 | 6.00                | 8.00     | 20.80         |
| TRMS070603SA4R5MTB | 4.5        | 8.00               | 10.00 | 5.00                | 7.00     | 25.30         |

## TRMS070604SA Series

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS070604SAR47MTB | 0.47       | 27.00              | 31.00 | 19.00               | 24.00    | 2.86          |
| TRMS070604SAR68MTB | 0.68       | 22.00              | 26.00 | 16.00               | 20.50    | 3.96          |
| TRMS070604SA1R0MTB | 1.0        | 18.00              | 23.00 | 14.00               | 19.00    | 5.39          |
| TRMS070604SA1R5MTB | 1.5        | 13.00              | 17.00 | 12.00               | 16.00    | 7.04          |
| TRMS070604SA2R2MTB | 2.2        | 11.50              | 15.90 | 8.00                | 11.00    | 11.70         |
| TRMS070604SA3R3MTB | 3.3        | 9.60               | 12.30 | 7.00                | 9.20     | 15.50         |

**TRMS070604SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS070604SA4R7MTB | 4.7        | 8.00               | 10.20 | 6.00                | 7.80     | 23.10         |
| TRMS070604SA5R6MTB | 5.6        | 7.80               | 9.80  | 5.00                | 6.70     | 28.10         |

**TRMS070605SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS070605SAR82MTB | 0.82       | 20.00              | 24.00 | 16.00               | 21.00    | 4.18          |
| TRMS070605SA1R0MTB | 1.0        | 18.00              | 23.00 | 15.00               | 20.00    | 4.52          |
| TRMS070605SA1R2MTB | 1.2        | 16.00              | 22.00 | 14.00               | 18.00    | 5.83          |
| TRMS070605SA1R5MTB | 1.5        | 14.50              | 19.50 | 13.00               | 17.00    | 6.30          |
| TRMS070605SA1R8MTB | 1.8        | 13.50              | 18.50 | 12.00               | 16.00    | 7.10          |
| TRMS070605SA2R2MTB | 2.2        | 12.00              | 16.00 | 10.00               | 13.00    | 8.50          |
| TRMS070605SA3R3MTB | 3.3        | 10.00              | 12.50 | 8.50                | 11.00    | 12.50         |
| TRMS070605SA4R3MTB | 4.3        | 8.50               | 11.00 | 7.00                | 9.00     | 16.20         |
| TRMS070605SA4R7MTB | 4.7        | 8.00               | 10.50 | 6.50                | 8.50     | 18.40         |
| TRMS070605SA6R8MTB | 6.8        | 7.00               | 9.00  | 5.20                | 6.60     | 25.40         |
| TRMS070605SA8R2MTB | 8.2        | 6.80               | 8.00  | 4.50                | 6.20     | 31.50         |

**TRMS070606SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS070606SA1R0MTB | 1.0        | 19.00              | 24.00 | 16.00               | 21.00    | 4.40          |
| TRMS070606SA1R5MTB | 1.5        | 15.00              | 20.00 | 13.50               | 17.50    | 6.10          |
| TRMS070606SA2R2MTB | 2.2        | 12.50              | 16.50 | 11.00               | 14.00    | 8.10          |
| TRMS070606SA3R3MTB | 3.3        | 11.00              | 13.00 | 9.00                | 12.00    | 12.30         |
| TRMS070606SA4R7MTB | 4.7        | 9.30               | 10.50 | 8.50                | 11.00    | 14.40         |
| TRMS070606SA5R6MTB | 5.6        | 8.70               | 9.90  | 7.60                | 10.00    | 15.90         |
| TRMS070606SA6R8MTB | 6.8        | 8.10               | 9.20  | 7.00                | 9.00     | 20.80         |
| TRMS070606SA8R2MTB | 8.2        | 8.00               | 8.40  | 6.00                | 8.00     | 26.40         |
| TRMS070606SA100MTB | 10         | 6.80               | 7.60  | 5.00                | 7.00     | 29.82         |
| TRMS070606SA150MTB | 15         | 5.00               | 5.80  | 4.50                | 6.00     | 43.75         |
| TRMS070606SA220MTB | 22         | 4.80               | 5.60  | 3.80                | 5.00     | 60.63         |

**TRMS080802SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS080802SAR15MTB | 0.15       | 46.00              | 51.00 | 18.00               | 24.00    | 2.50          |
| TRMS080802SAR27MTB | 0.27       | 32.00              | 35.00 | 16.00               | 21.00    | 3.50          |
| TRMS080802SAR31MTB | 0.31       | 31.00              | 34.00 | 14.00               | 20.00    | 4.80          |
| TRMS080802SAR33MTB | 0.33       | 31.00              | 34.00 | 13.00               | 19.00    | 4.80          |
| TRMS080802SAR47MTB | 0.47       | 25.00              | 28.00 | 12.00               | 17.00    | 6.20          |
| TRMS080802SAR68MTB | 0.68       | 23.00              | 25.00 | 10.00               | 13.00    | 9.20          |
| TRMS080802SA1R0MTB | 1.0        | 20.00              | 23.00 | 8.00                | 11.00    | 10.80         |
| TRMS080802SA1R2MTB | 1.2        | 18.00              | 21.00 | 7.00                | 10.00    | 12.80         |
| TRMS080802SA1R5MTB | 1.5        | 15.00              | 17.00 | 6.00                | 9.00     | 17.60         |
| TRMS080802SA1R8MTB | 1.8        | 13.00              | 15.00 | 5.50                | 8.00     | 19.80         |



**TRMS080803SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS080803SA1R0MTB | 1.0        | 28.00              | 30.00 | 16.10               | 21.80    | 5.00          |
| TRMS080803SA1R5MTB | 1.5        | 23.50              | 25.00 | 12.00               | 15.30    | 8.25          |
| TRMS080803SA2R2MTB | 2.2        | 17.00              | 19.00 | 10.00               | 13.00    | 13.70         |
| TRMS080803SA2R7MTB | 2.7        | 13.50              | 16.00 | 9.20                | 11.40    | 15.40         |
| TRMS080803SA3R3MTB | 3.3        | 13.00              | 15.00 | 8.00                | 10.00    | 18.00         |
| TRMS080803SA4R7MTB | 4.7        | 12.20              | 13.50 | 6.90                | 9.00     | 26.70         |
| TRMS080803SA5R6MTB | 5.6        | 11.50              | 12.50 | 5.30                | 7.30     | 33.20         |
| TRMS080803SA6R8MTB | 6.8        | 11.00              | 12.00 | 4.50                | 6.80     | 42.50         |
| TRMS080803SA8R2MTB | 8.2        | 9.00               | 10.20 | 3.00                | 5.90     | 48.73         |

**TRMS080805SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS080805SA2R2MTB | 2.2        | 17.00              | 21.00 | 11.00               | 14.00    | 6.40          |
| TRMS080805SA3R3MTB | 3.3        | 14.00              | 17.00 | 10.00               | 13.00    | 11.44         |
| TRMS080805SA4R7MTB | 4.7        | 13.00              | 15.00 | 8.50                | 11.00    | 15.40         |
| TRMS080805SA5R6MTB | 5.6        | 11.00              | 13.00 | 7.00                | 10.00    | 17.20         |

**TRMS080807SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS080807SA1R0MTB | 1.0        | 31.80              | 34.80 | 20.00               | 25.00    | 2.81          |
| TRMS080807SA1R8MTB | 1.8        | 23.00              | 25.00 | 15.80               | 21.00    | 4.46          |
| TRMS080807SA3R3MTB | 3.3        | 15.10              | 19.40 | 11.50               | 15.10    | 9.42          |
| TRMS080807SA4R7MTB | 4.7        | 14.00              | 15.50 | 10.50               | 13.60    | 13.50         |
| TRMS080807SA6R8MTB | 6.8        | 11.00              | 12.80 | 7.00                | 9.50     | 19.60         |

**TRMS090908SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS090908SA1R8MTB | 1.8        | 24.00              | 28.00 | 18.00               | 24.00    | 4.00          |
| TRMS090908SA2R2MTB | 2.2        | 22.00              | 25.00 | 16.00               | 21.50    | 4.30          |
| TRMS090908SA3R3MTB | 3.3        | 20.00              | 23.00 | 13.50               | 18.00    | 7.30          |
| TRMS090908SA4R7MTB | 4.7        | 17.00              | 19.00 | 10.50               | 14.60    | 9.80          |
| TRMS090908SA6R8MTB | 6.8        | 12.50              | 14.50 | 8.00                | 11.30    | 14.30         |
| TRMS090908SA100MTB | 10         | 10.00              | 11.00 | 6.60                | 8.70     | 22.90         |

**TRMS121103SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS121103SAR28MTB | 0.28       | 58.00              | 65.00 | 25.50               | 35.00    | 1.60          |
| TRMS121103SAR56MTB | 0.56       | 39.00              | 44.00 | 23.00               | 32.00    | 2.75          |
| TRMS121103SAR82MTB | 0.82       | 32.00              | 38.00 | 18.00               | 25.00    | 4.10          |
| TRMS121103SAR90MTB | 0.90       | 31.00              | 36.00 | 17.00               | 24.00    | 4.20          |
| TRMS121103SA1R0MTB | 1.0        | 30.00              | 35.00 | 16.00               | 23.00    | 4.95          |
| TRMS121103SA1R5MTB | 1.5        | 25.00              | 30.00 | 12.00               | 18.00    | 6.60          |

**TRMS121106SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS121106SAR68MTB | 0.68       | 50.00              | 55.00 | 22.50               | 34.00    | 1.50          |
| TRMS121106SA1R0MTB | 1.0        | 44.00              | 48.00 | 20.00               | 28.50    | 2.32          |
| TRMS121106SA1R2MTB | 1.2        | 40.00              | 45.00 | 18.00               | 26.50    | 2.64          |
| TRMS121106SA1R5MTB | 1.5        | 36.00              | 40.00 | 16.00               | 24.50    | 3.30          |
| TRMS121106SA2R2MTB | 2.2        | 30.00              | 35.00 | 14.00               | 20.00    | 4.84          |
| TRMS121106SA3R3MTB | 3.3        | 25.00              | 28.00 | 11.40               | 16.80    | 7.70          |
| TRMS121106SA4R7MTB | 4.7        | 22.00              | 25.00 | 8.70                | 14.00    | 10.72         |
| TRMS121106SA6R8MTB | 6.8        | 15.50              | 18.00 | 6.00                | 10.50    | 13.00         |
| TRMS121106SA100MTB | 10         | 13.00              | 15.00 | 4.50                | 9.00     | 18.20         |

**TRMS121110SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS121110SA2R2MTB | 2.2        | 29.00              | 34.00 | 24.50               | 32.00    | 2.80          |
| TRMS121110SA3R3MTB | 3.3        | 23.40              | 27.40 | 18.20               | 25.00    | 4.10          |
| TRMS121110SA4R7MTB | 4.7        | 21.40              | 25.40 | 17.50               | 24.00    | 5.70          |
| TRMS121110SA5R6MTB | 5.6        | 19.60              | 23.60 | 15.70               | 21.20    | 7.20          |
| TRMS121110SA6R8MTB | 6.8        | 18.50              | 21.80 | 14.00               | 18.50    | 8.90          |
| TRMS121110SA8R2MTB | 8.2        | 16.30              | 18.30 | 12.90               | 17.10    | 12.40         |
| TRMS121110SA100MTB | 10         | 14.60              | 17.50 | 11.50               | 15.50    | 13.75         |
| TRMS121110SA150MTB | 15         | 12.50              | 15.50 | 9.90                | 13.80    | 19.30         |

**TRMS171608SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS171608SA2R0MTB | 2.0        | 52.00              | 57.00 | 29.50               | 40.00    | 2.21          |
| TRMS171608SA2R2MTB | 2.2        | 49.00              | 55.00 | 28.00               | 37.00    | 2.48          |
| TRMS171608SA3R0MTB | 3.0        | 41.00              | 46.00 | 26.00               | 34.50    | 3.00          |
| TRMS171608SA4R2MTB | 4.2        | 33.00              | 38.00 | 20.50               | 27.00    | 4.68          |
| TRMS171608SA5R3MTB | 5.3        | 31.00              | 35.00 | 19.50               | 26.00    | 5.34          |
| TRMS171608SA6R2MTB | 6.2        | 31.00              | 34.00 | 17.00               | 23.00    | 6.50          |
| TRMS171608SA7R2MTB | 7.2        | 29.00              | 32.00 | 15.00               | 21.00    | 7.20          |
| TRMS171608SA8R2MTB | 8.2        | 25.00              | 28.00 | 13.00               | 19.00    | 7.92          |
| TRMS171608SA100MTB | 10         | 21.00              | 24.00 | 11.00               | 16.00    | 9.60          |
| TRMS171608SA150MTB | 15         | 18.00              | 21.00 | 10.00               | 13.00    | 15.00         |
| TRMS171608SA220MTB | 22         | 16.00              | 19.00 | 9.00                | 12.00    | 23.20         |

**TRMS171610SA Series**

| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |          | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |          | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20℃ rise            | 40℃ rise | Max.          |
| TRMS171610SA4R7MTB | 4.7        | 39.00              | 43.00 | 22.00               | 30.00    | 3.80          |
| TRMS171610SA5R6MTB | 5.6        | 34.00              | 38.00 | 21.00               | 28.00    | 4.20          |
| TRMS171610SA6R8MTB | 6.8        | 31.00              | 36.00 | 20.00               | 26.00    | 4.60          |
| TRMS171610SA8R2MTB | 8.2        | 28.00              | 32.00 | 19.00               | 25.00    | 7.20          |
| TRMS171610SA100MTB | 10         | 26.00              | 29.00 | 18.00               | 24.00    | 8.60          |
| TRMS171610SA150MTB | 15         | 18.00              | 20.00 | 14.00               | 18.00    | 11.50         |
| TRMS171610SA220MTB | 22         | 16.00              | 18.00 | 10.50               | 14.20    | 15.80         |
| TRMS171610SA330MTB | 33         | 14.00              | 16.70 | 8.60                | 12.30    | 20.00         |

## TRMS171613SA Series

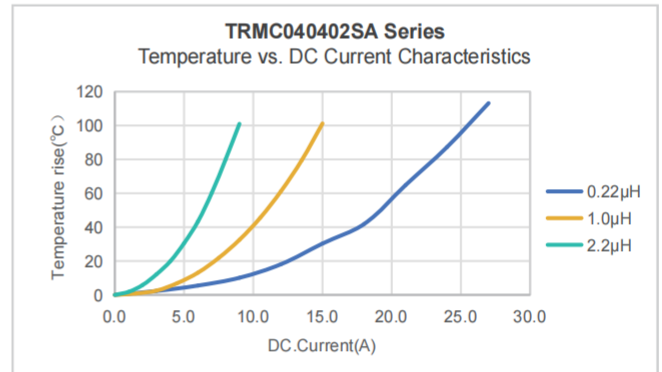
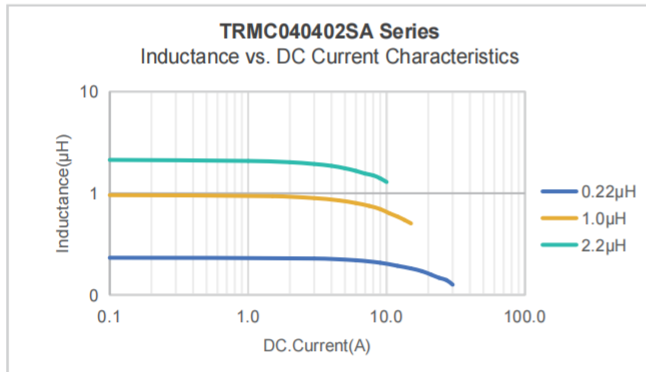
| Part Number        | Inductance | Saturation Current |       | Heat Rating Current |           | DC Resistance |
|--------------------|------------|--------------------|-------|---------------------|-----------|---------------|
|                    | L (μH)     | Isat(A)            |       | Irms(A)             |           | RDC(mΩ)       |
|                    | ±20 %      | Max.               | Typ.  | 20°C rise           | 40°C rise | Max.          |
| TRMS171613SA4R7MTB | 4.7        | 40.00              | 44.00 | 23.00               | 31.00     | 3.30          |
| TRMS171613SA5R6MTB | 5.6        | 35.00              | 40.00 | 22.00               | 29.00     | 3.90          |
| TRMS171613SA6R8MTB | 6.8        | 32.00              | 37.00 | 21.00               | 27.00     | 4.20          |
| TRMS171613SA8R2MTB | 8.2        | 29.00              | 33.00 | 20.00               | 26.00     | 5.74          |
| TRMS171613SA100MTB | 10         | 27.00              | 30.00 | 19.00               | 25.00     | 7.00          |
| TRMS171613SA150MTB | 15         | 21.00              | 25.50 | 16.00               | 22.00     | 7.50          |
| TRMS171613SA220MTB | 22         | 19.00              | 22.00 | 12.00               | 17.00     | 13.86         |
| TRMS171613SA330MTB | 33         | 16.00              | 19.00 | 9.00                | 14.00     | 22.20         |

## Notes

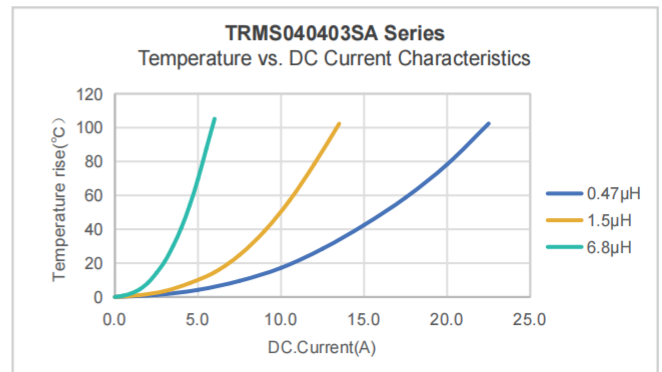
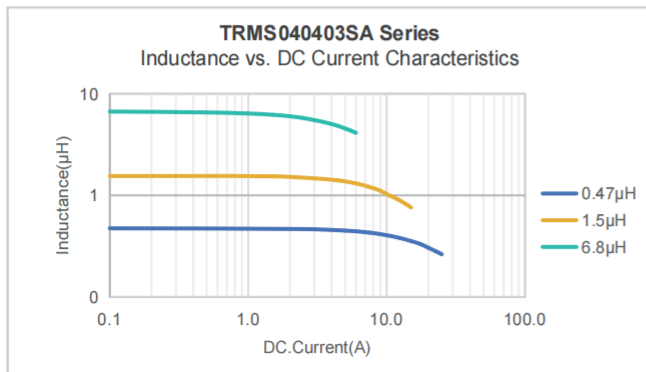
- Test frequency : L : 100KHz /0.1V.
- All test in 25 °C temperature.
- Testing Instrument:L:HP4285A,CH11025,CH3302,CH1320,CH1320S LCR METER / Rdc:CH16502, MICRO OHMMETER.
- Heating Rating Current (Irms) will cause the coil temperature rise of 40°C approximately (Δt).
- Saturation Current (Isat ) will cause L0 to drop 30% approximately.
- The part temperature (ambient + temp rise) should not exceed 125°C under the worst case operating condition. Circuit design, component , PCB trace size and thickness airflow and other cooling provisions all could affect the part temperature. Part temperature should be verified in the end application.

## Typical Characteristics Curves

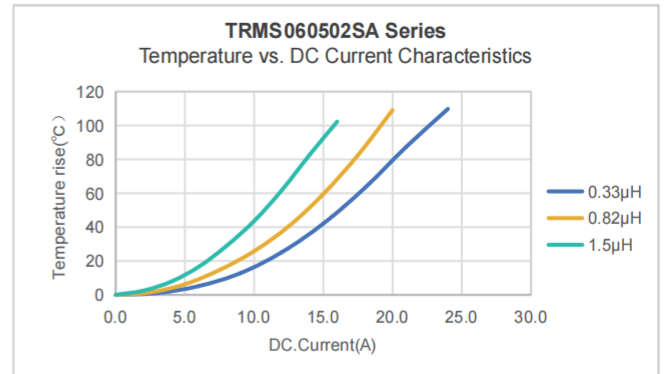
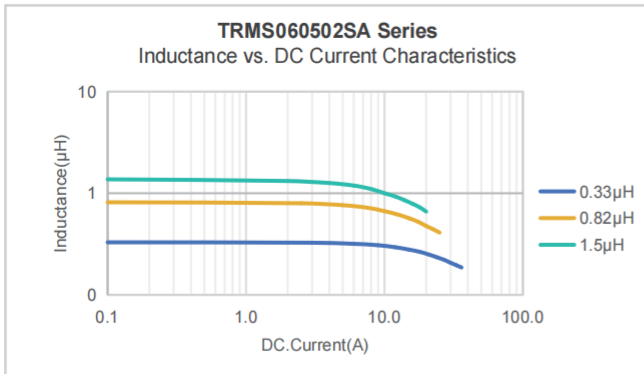
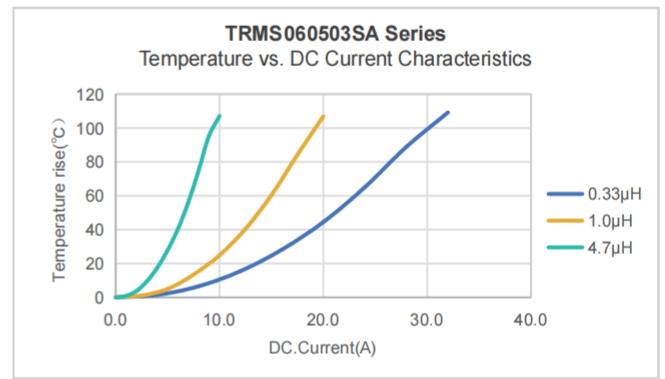
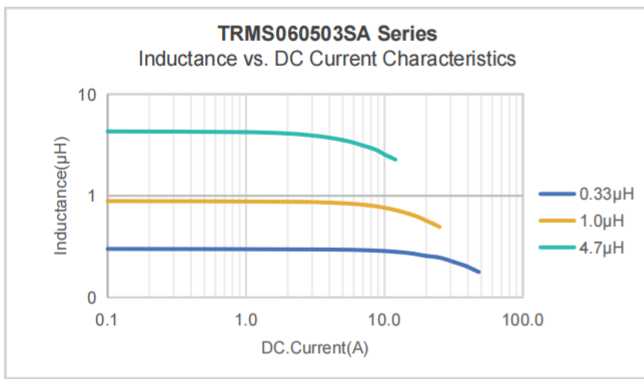
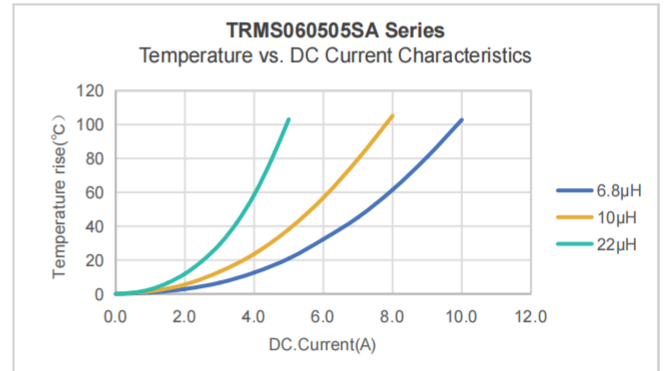
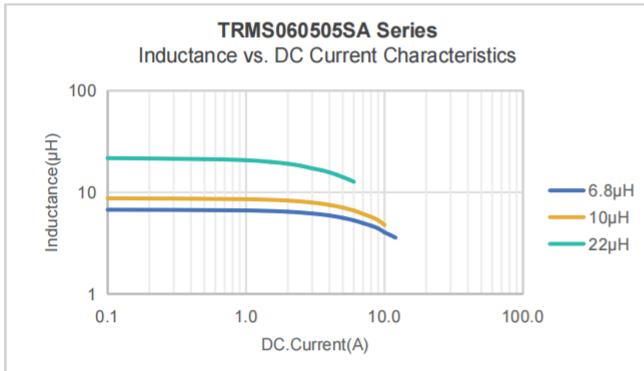
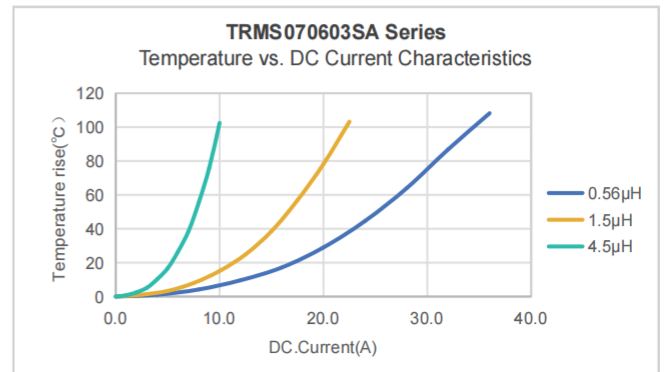
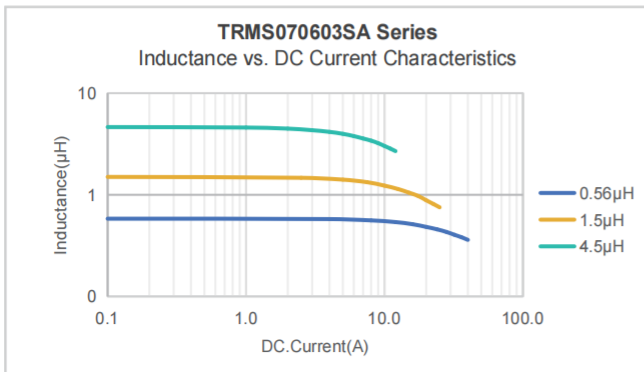
## TRMS040402SA Series



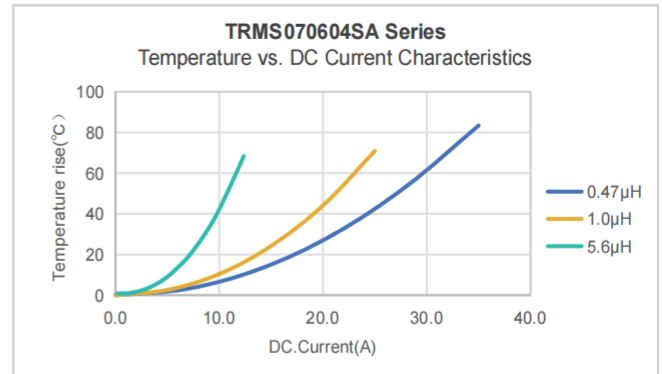
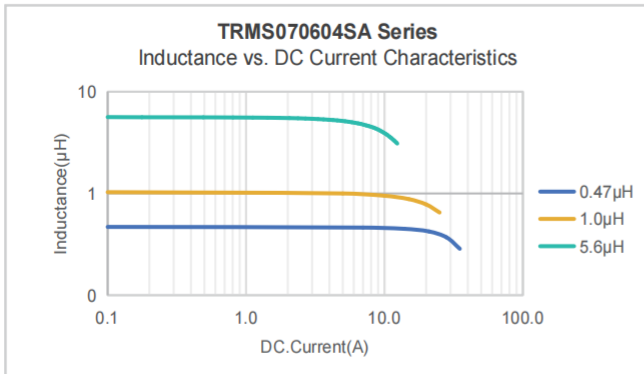
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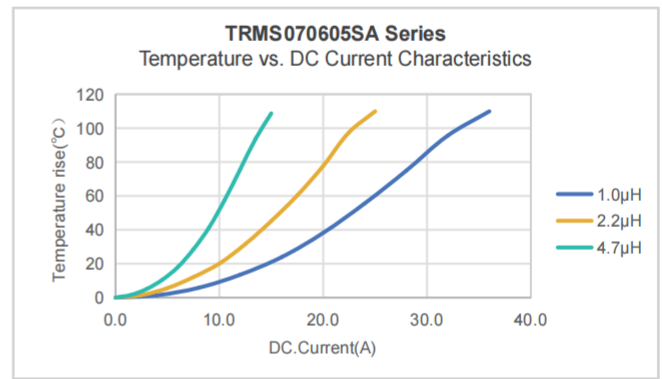
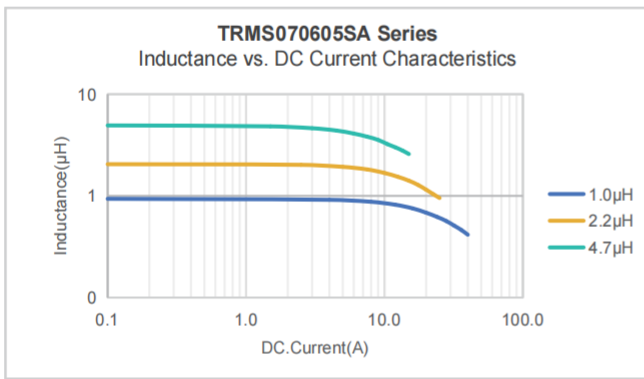


**TRMS060502SA Series**

**TRMS060503SA Series**

**TRMS060505SA Series**

**TRMS070603SA Series**


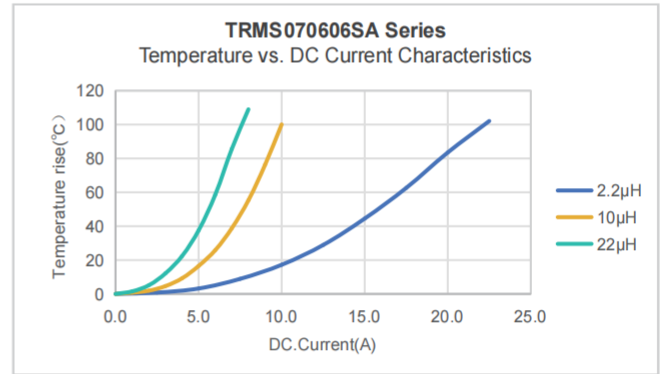
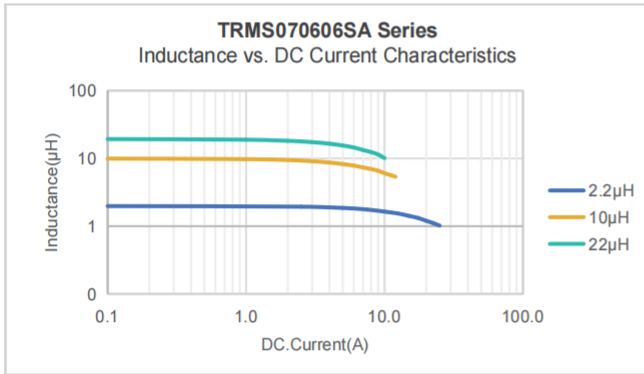
### TRMS070604SA Series



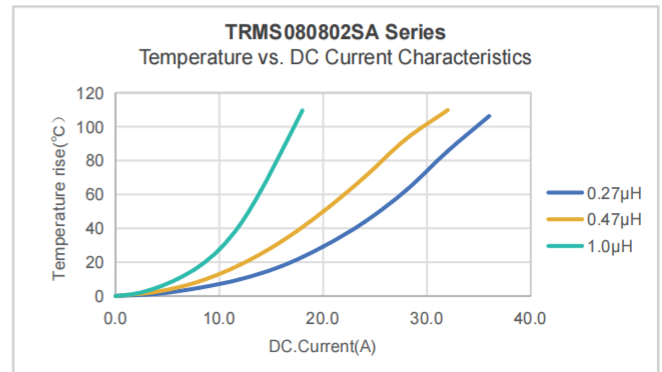
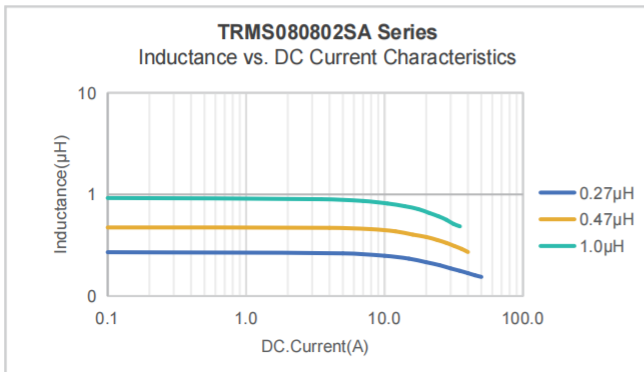
### TRMS070605SA Series



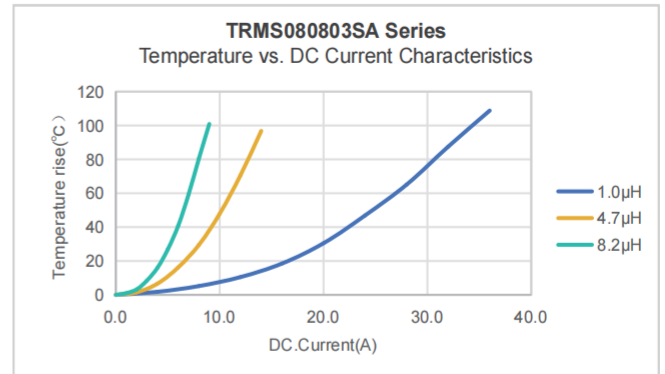
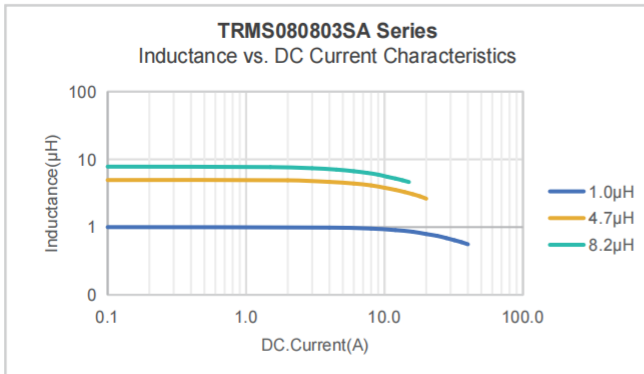
### TRMS070606SA Series



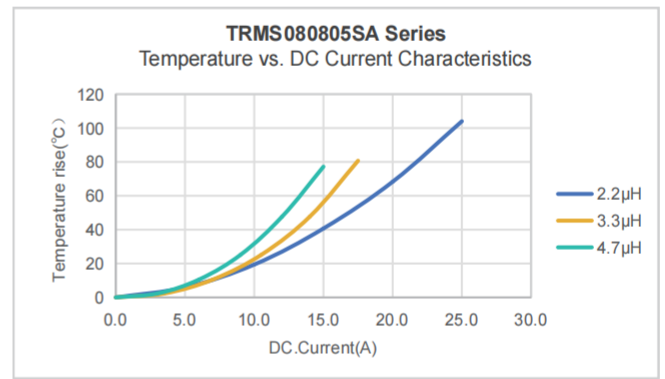
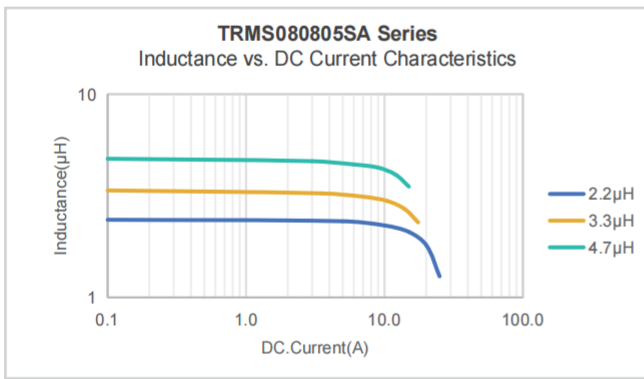
### TRMS080802SA Series



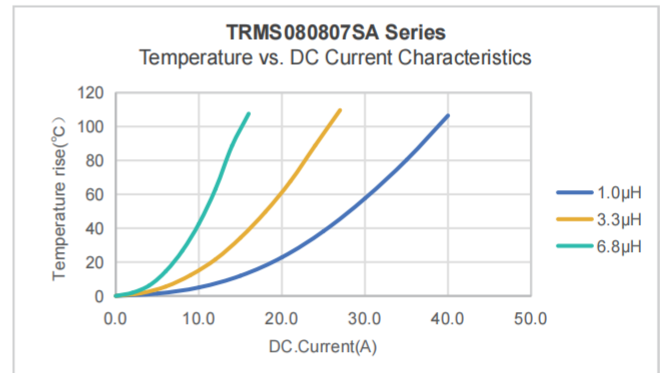
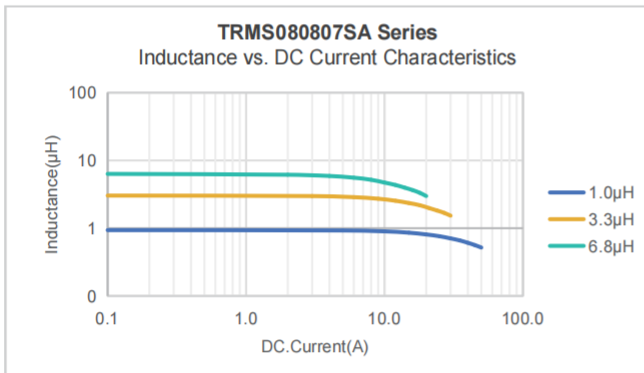
### TRMS080803SA Series



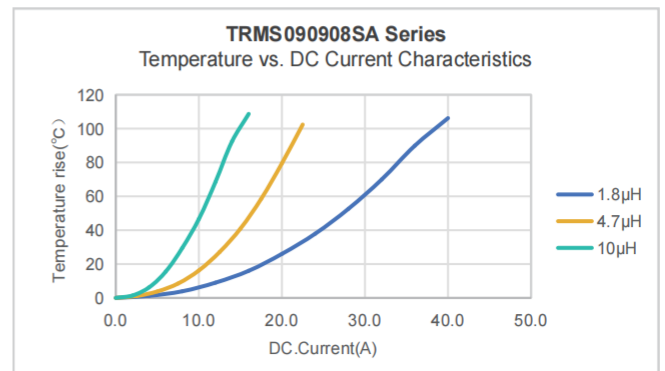
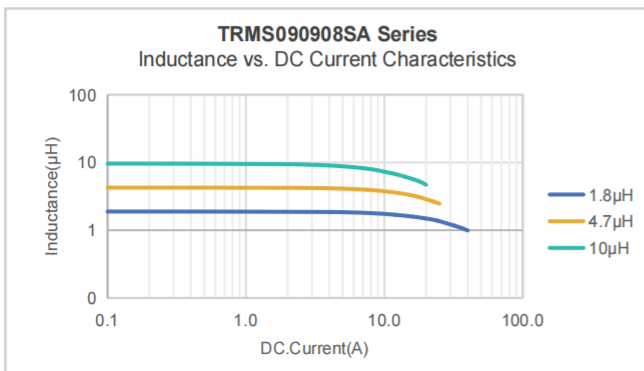
### TRMS080805SA Series



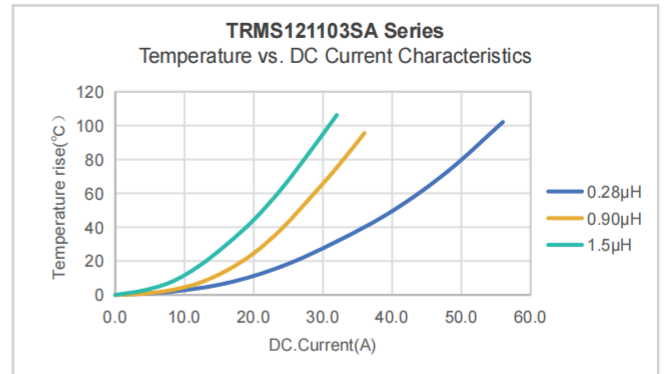
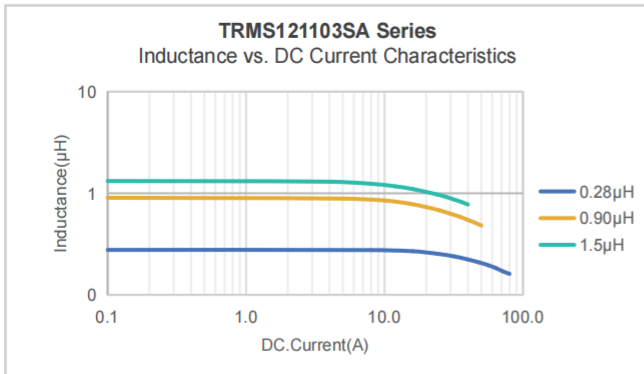
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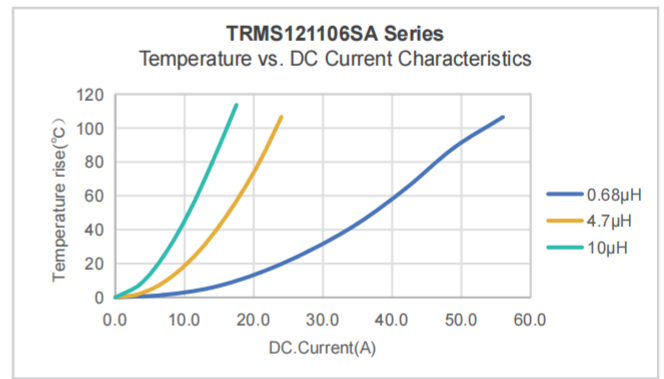
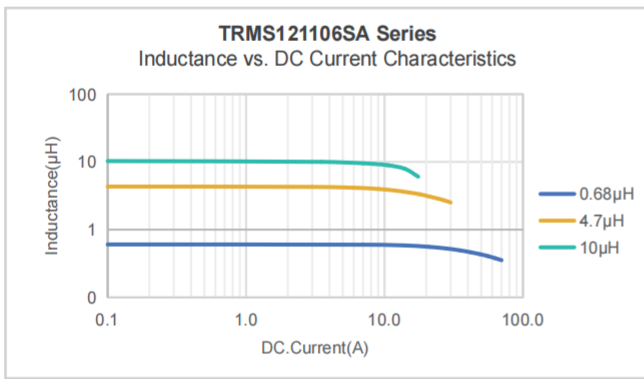
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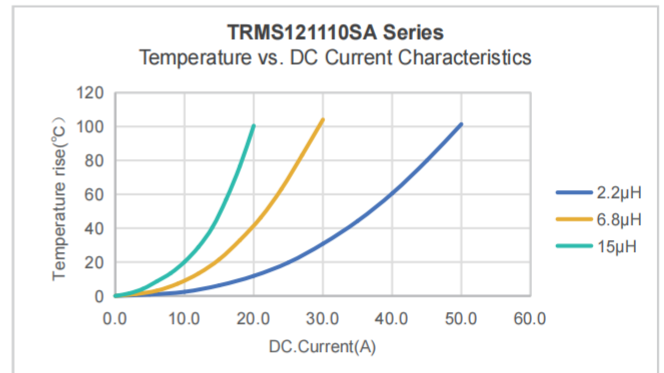
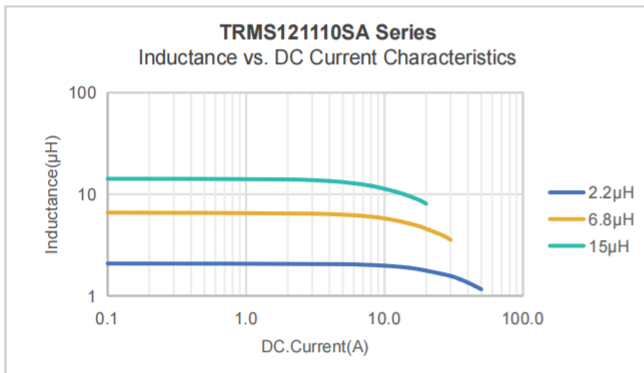
### TRMS121103SA Series



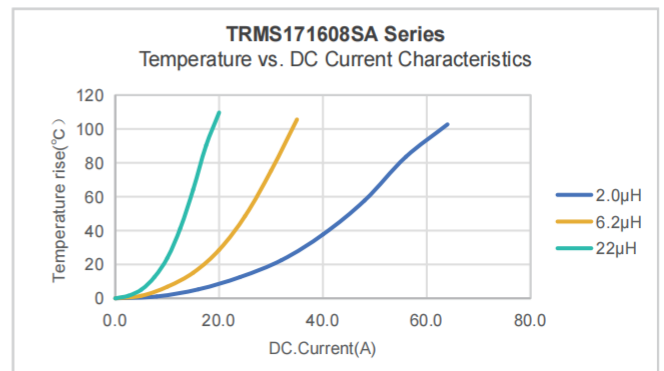
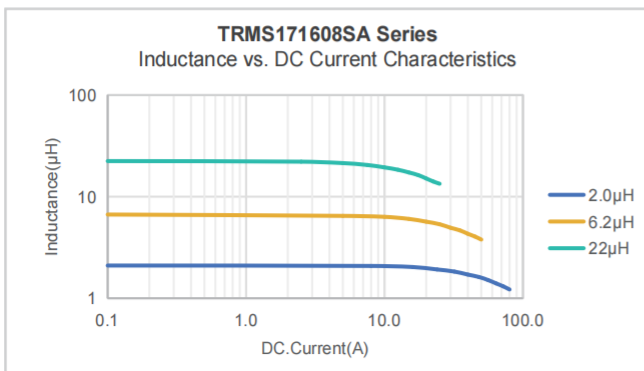
### TRMS121106SA Series

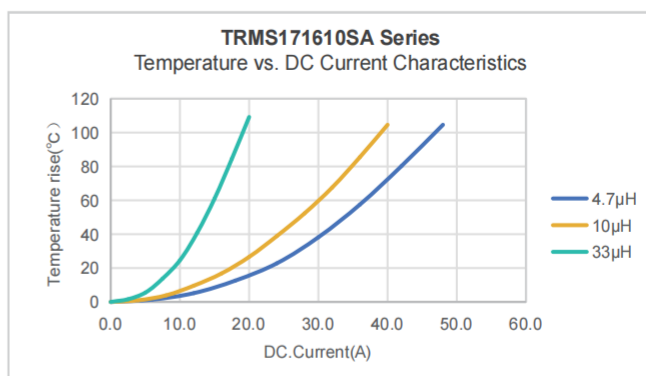
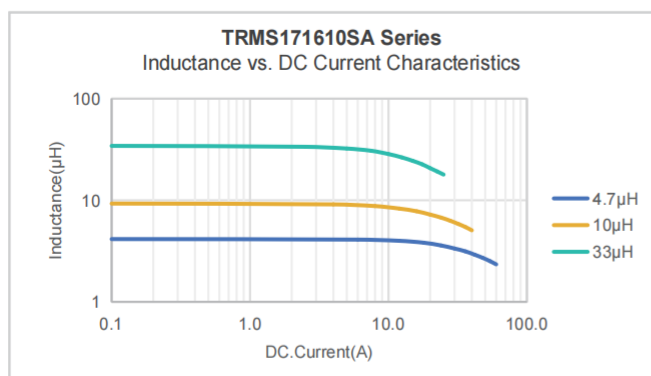
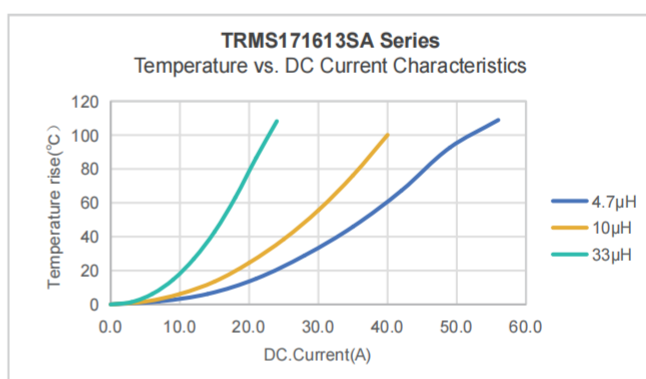
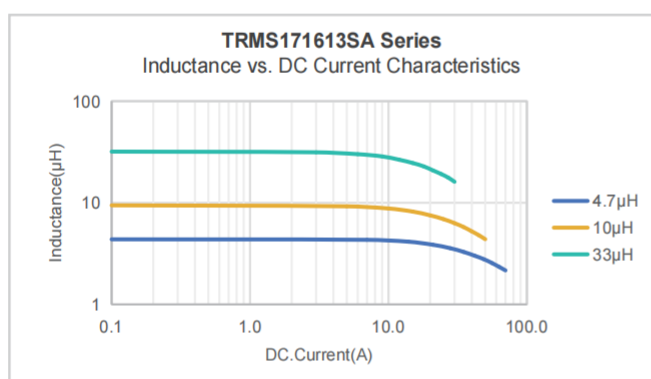


### TRMS121110SA Series



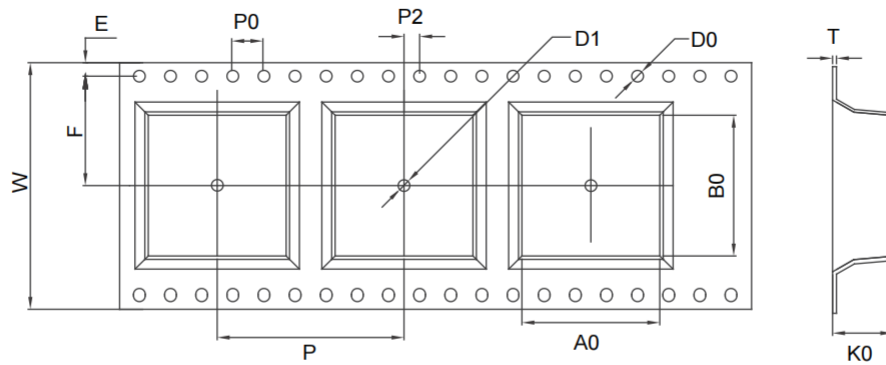
### TRMS171608SA Series



**TRMS171610SA Series**

**TRMS171613SA Series**


## Packaging Information

### Tape Dimensions

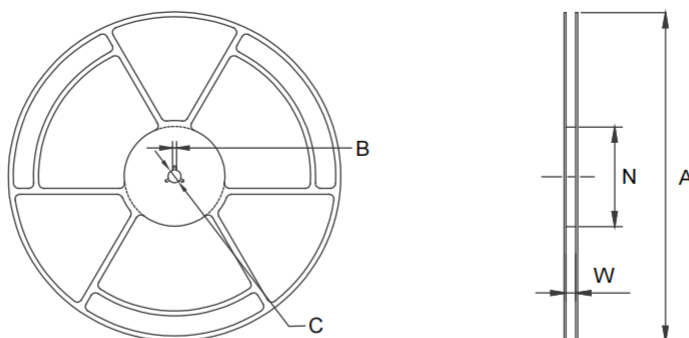


### Dimensions

| Series       | Tape Dimensions (mm) |        |       |        |         |         |           |          |          |          |          |          |
|--------------|----------------------|--------|-------|--------|---------|---------|-----------|----------|----------|----------|----------|----------|
|              | W                    | P      | P0    | P2     | D0      | D1      | T         | A0       | B0       | K0       | E        | F        |
| TRMS040402SA | 12±0.3               | 8±0.1  | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.05 | 4.5±0.1  | 4.5±0.1  | 2.3±0.1  | 1.75±0.1 | 5.5±0.1  |
| TRMS040403SA | 12±0.3               | 8±0.1  | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.05 | 4.5±0.1  | 4.5±0.1  | 3.3±0.1  | 1.75±0.1 | 5.5±0.1  |
| TRMS060502SA | 12±0.3               | 8±0.1  | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.05 | 6.0±0.1  | 5.7±0.1  | 2.3±0.1  | 1.75±0.1 | 5.5±0.1  |
| TRMS060503SA | 16±0.3               | 8±0.1  | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.05 | 6.0±0.1  | 5.7±0.1  | 3.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS060505SA | 16±0.3               | 8±0.1  | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.4±0.05  | 6.0±0.1  | 5.7±0.1  | 5.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS070603SA | 16±0.3               | 12±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.05 | 7.0±0.1  | 6.8±0.1  | 3.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS070604SA | 16±0.3               | 12±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.01 | 7.6±0.1  | 7.3±0.1  | 4.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS070605SA | 16±0.3               | 12±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.4±0.05  | 7.0±0.1  | 6.8±0.1  | 5.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS070606SA | 16±0.3               | 12±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.5±0.05  | 7.0±0.1  | 6.8±0.1  | 6.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS080802SA | 16±0.3               | 12±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.05 | 8.2±0.1  | 8.0±0.1  | 2.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS080803SA | 16±0.3               | 12±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.05 | 8.2±0.1  | 8.0±0.1  | 3.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS080805SA | 16±0.3               | 12±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.35±0.05 | 8.8±0.1  | 8.4±0.1  | 5.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS080807SA | 16±0.3               | 12±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | 1.5±0.1 | 0.5±0.05  | 8.2±0.1  | 8.0±0.1  | 7.3±0.1  | 1.75±0.1 | 7.5±0.1  |
| TRMS090908SA | 24±0.3               | 16±0.1 | 4±0.1 | 2±0.05 | 1.5±0.1 | 1.5±0.1 | 0.5±0.05  | 9.4±0.1  | 8.9±0.1  | 8.5±0.1  | 1.75±0.1 | 11.5±0.1 |
| TRMS121103SA | 24±0.3               | 16±0.1 | 4±0.1 | 2±0.05 | 1.5±0.1 | 1.5±0.1 | 0.4±0.05  | 12.4±0.1 | 11.5±0.1 | 3.3±0.1  | 1.75±0.1 | 11.5±0.1 |
| TRMS121106SA | 24±0.3               | 16±0.1 | 4±0.1 | 2±0.05 | 1.5±0.1 | 1.5±0.1 | 0.5±0.05  | 12.4±0.1 | 11.5±0.1 | 6.3±0.1  | 1.75±0.1 | 11.5±0.1 |
| TRMS121110SA | 24±0.3               | 16±0.1 | 4±0.1 | 2±0.05 | 1.5±0.1 | 1.5±0.1 | 0.5±0.05  | 12.4±0.1 | 11.5±0.1 | 10.3±0.1 | 1.75±0.1 | 11.5±0.1 |
| TRMS171608SA | 32±0.3               | 24±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | \       | 0.5±0.05  | 17.0±0.1 | 16.0±0.1 | 8.5±0.1  | 1.75±0.1 | 14.2±0.1 |
| TRMS171610SA | 32±0.3               | 24±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | \       | 0.5±0.05  | 17.0±0.1 | 16.0±0.1 | 10.5±0.1 | 1.75±0.1 | 14.2±0.1 |
| TRMS171613SA | 32±0.3               | 24±0.1 | 4±0.1 | 2±0.1  | 1.5±0.1 | \       | 0.5±0.05  | 17.0±0.1 | 16.0±0.1 | 13.6±0.1 | 1.75±0.1 | 14.2±0.1 |



## Reel Dimensions



### Dimensions

| Series       | Reel Dimensions (mm) |          |         |         |            | Quantity<br>Reel |
|--------------|----------------------|----------|---------|---------|------------|------------------|
|              | A                    | W        | N       | B       | C          |                  |
| TRMS040402SA | 330±2.0              | 12.8±0.2 | 97±0.5  | 2.2±0.5 | 13.0±0.2   | 3000 pcs / reel  |
| TRMS040403SA | 330±2.0              | 12.8±0.2 | 97±0.5  | 2.2±0.5 | 13.0±0.2   | 2000 pcs / reel  |
| TRMS060502SA | 330±2.0              | 12.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 3000 pcs / reel  |
| TRMS060503SA | 330±2.0              | 16.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 2000 pcs / reel  |
| TRMS060505SA | 330±2.0              | 16.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 1500 pcs / reel  |
| TRMS070603SA | 330±2.0              | 16.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 1000 pcs / reel  |
| TRMS070604SA | 330±2.0              | 16.4±2   | 100±0.2 | 2.0±0.5 | 13±0.5/0.2 | 800 pcs / reel   |
| TRMS070605SA | 330±2.0              | 16.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 800 pcs / reel   |
| TRMS070606SA | 330±2.0              | 16.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 750 pcs / reel   |
| TRMS080802SA | 330±2.0              | 16.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 2000pcs / reel   |
| TRMS080803SA | 330±2.0              | 16.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 1500pcs / reel   |
| TRMS080805SA | 330±2.0              | 16.4±2   | 100±0.2 | 2.0±0.5 | 13±0.5/0.2 | 800 pcs / reel   |
| TRMS080807SA | 330±2.0              | 16.8±0.2 | 97±0.5  | 2.2±0.5 | 13.2±0.2   | 700pcs / reel    |
| TRMS090908SA | 330±2.0              | 24±0.5   | 97±0.5  | 2.2±0.5 | 13.0±0.2   | 450pcs / reel    |
| TRMS121103SA | 330±2.0              | 24±0.5   | 97±0.5  | 2.2±0.5 | 13.0±0.2   | 1000 pcs / reel  |
| TRMS121106SA | 330±2.0              | 24±0.5   | 97±0.5  | 2.2±0.5 | 13.0±0.2   | 500 pcs / reel   |
| TRMS121110SA | 330±2.0              | 24±0.5   | 97±0.5  | 2.2±0.5 | 13.0±0.2   | 300 pcs / reel   |
| TRMS171608SA | 330±2.0              | 32.0±0.5 | 97±0.5  | 2.3±0.3 | 13.0±0.2   | 200 pcs / reel   |
| TRMS171610SA | 330±2.0              | 32.0±0.5 | 97±0.5  | 2.3±0.3 | 13.0±0.2   | 150 pcs / reel   |
| TRMS171613SA | 330±2.0              | 32.0±0.5 | 97±0.5  | 2.3±0.3 | 13.0±0.2   | 100 pcs / reel   |