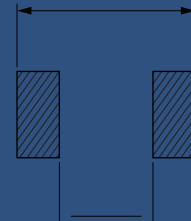
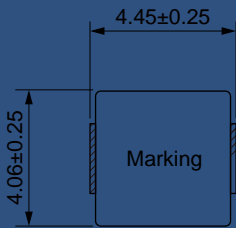


### APPLICATION

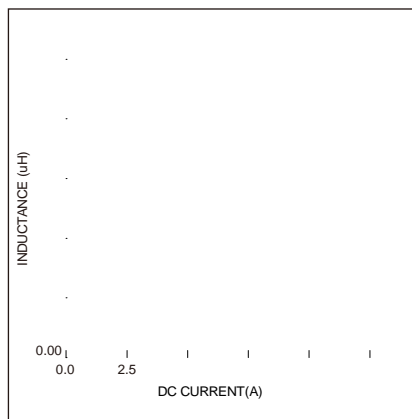
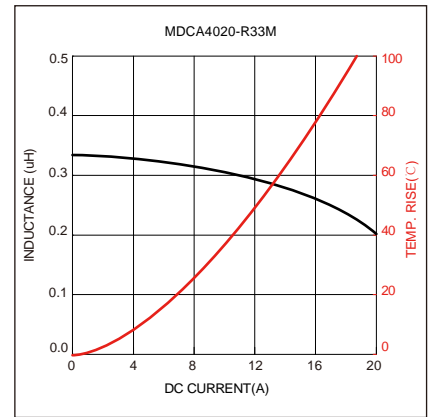
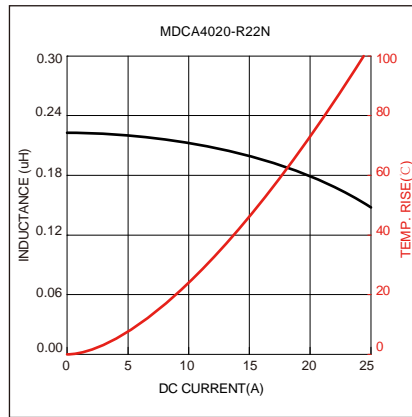
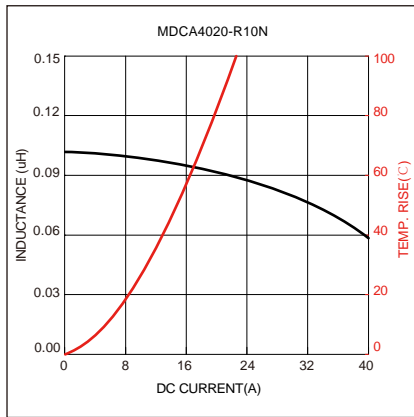
- Headlamps, tail lamps and interior lighting
- HVAC
- Doors, window lift and seat control
- Audio subsystem
- Digital instrument cluster
- In-Vehicle Infotainment and navigation

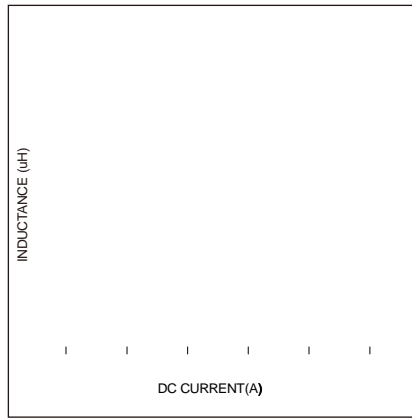


|  | Tolerance | Temperature Rise Current<br>Typ.<br>(A) | Saturation Current<br>Typ.<br>(A) |      |     |
|--|-----------|---|-----------------------------------|------|-----|
|  | ±30%      | 14.0                                    | 35.0                              | 3.20 | 4.0 |
|  | ±30%      | 13.0                                    | 24.0                              | 6.60 | 7.3 |
|  | ±20%      | 10.0                                    | 18.0                              | 7.80 | 8.6 |
|  | ±20%      | 8.00                                    | 12.0                              | 11.2 | 14  |
|  | ±20%      | 7.30                                    | 10.0                              | 13.5 | 16  |
|  | ±20%      | 7.00                                    | 10.0                              | 16.0 | 19  |
|  | ±20%      | 5.00                                    | 8.50                              | 22.0 | 27  |
|  | ±20%      | 4.50                                    | 7.00                              | 34.8 | 42  |
|  | ±20%      | 4.00                                    | 6.00                              | 51.0 | 61  |
|  | ±20%      | 3.50                                    | 4.00                              | 69.0 | 76  |
|  | ±20%      | 2.60                                    | 3.50                              | 95.0 | 105 |
|  | ±20%      | 2.20                                    | 3.00                              | 112  | 125 |
|  | ±20%      | 2.10                                    | 2.80                              | 150  | 172 |
|  | ±20%      | 2.00 g                                  | Y 2.50                            | 0.33 | 158 |
|  |           | MDCA4020-R47M                           | 0.47                              |      |     |
|  |           | MDCA4020-R56M                           | 0.56                              |      |     |
|  |           | MDCA4020-R68M                           | 0.68                              |      |     |
|  |           | MDCA4020-1R0M                           | 1.00                              |      |     |
|  |           | MDCA4020-1R5M                           | 1.50                              |      |     |

| Part No       | Inductance @ 100KHz/1V ( $\mu$ H) | Tolerance |      |      |     |     |
|---------------|-----------------------------------|-----------|------|------|-----|-----|
| MDCA4020-100M | 10.0                              | $\pm$ 20% | 1.80 | 2.30 | 215 | 243 |
| MDCA4020-150M | 15.0                              | $\pm$ 20% | 1.50 | 1.90 | 325 | 374 |
| MDCA4020-220M | 22.0                              | $\pm$ 20% | 1.20 | 1.40 | 470 | 500 |

### Typical Electrical Characteristics:





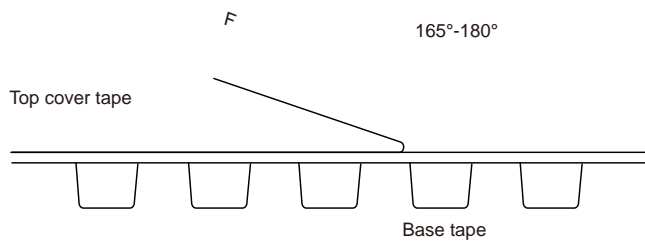
Soldering Reflow:

Packaging Information:

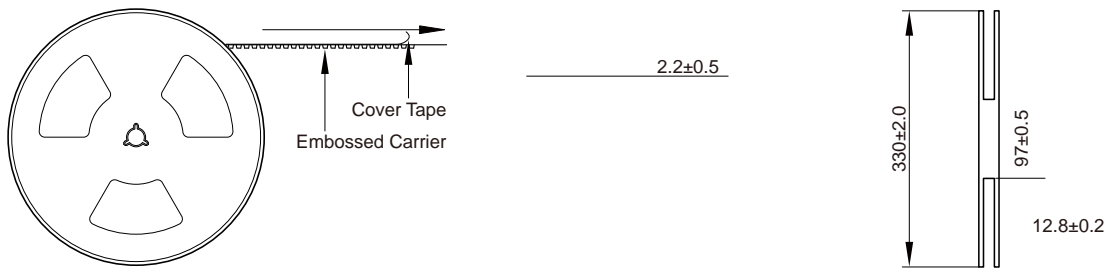
Tape Dimension:



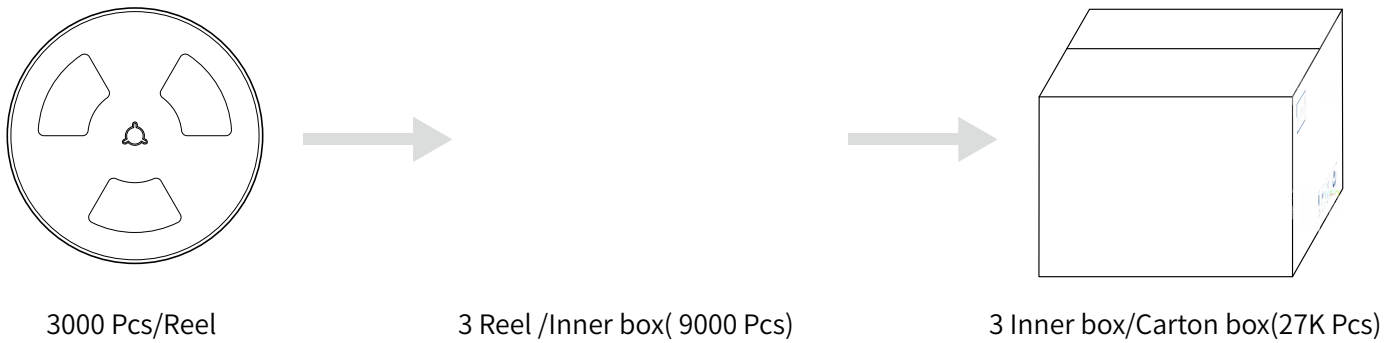
Peel force of top cover tape:



### Reel Dimension: [mm]



### Packaging Quantity:



### Cautions and Warnings:

#### Storage Conditions :

- The storage period is within 12 months after the completion of pro-2.0707 21c171 c-2.007n. Bis ure to followf pro within o
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#### Operation Instructions:

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