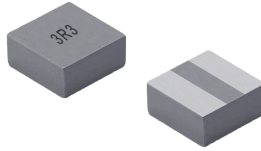


## SPM Series

### SMT Power Metal Inductor

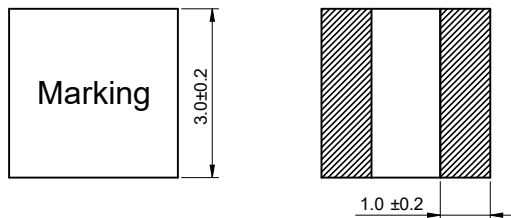
#### Size 3015



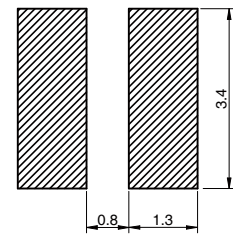
#### FEATURES

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- AEC-Q200 Compliant
- Operating temperature: -40 °C ~125 °C
- Quantity: 1000 pcs/reel

#### Dimensions: [mm]



#### Land Pattern: [mm]



#### Electrical Properties:

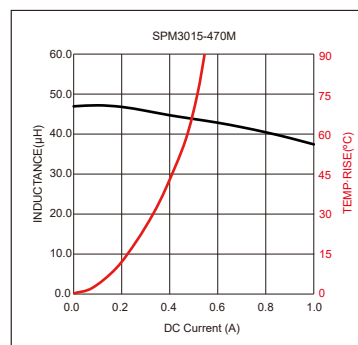
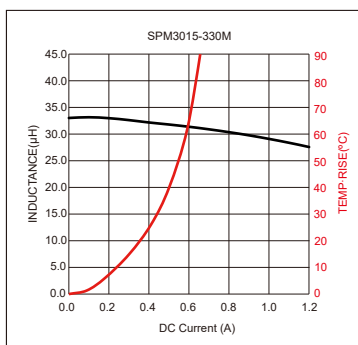
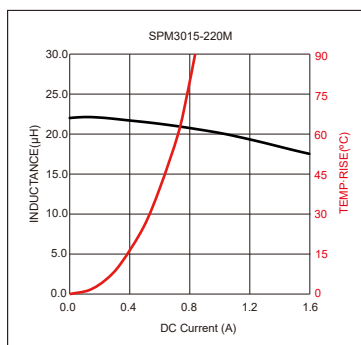
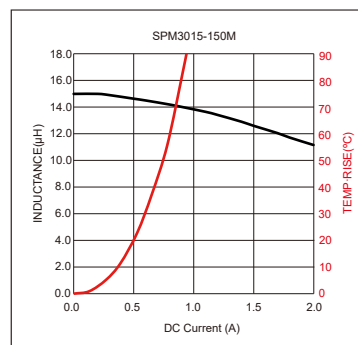
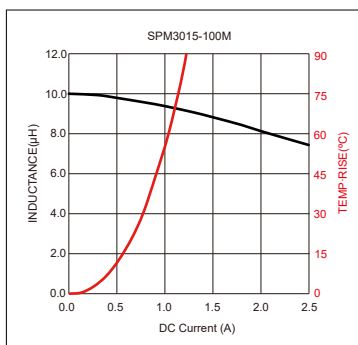
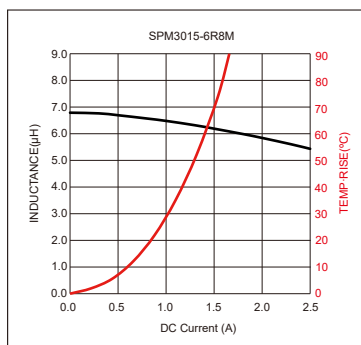
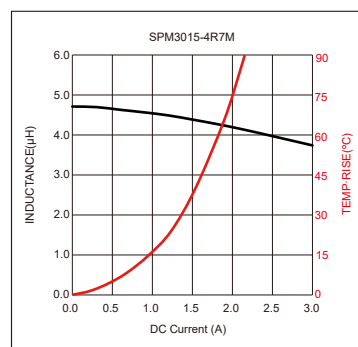
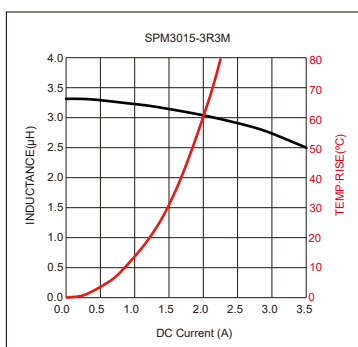
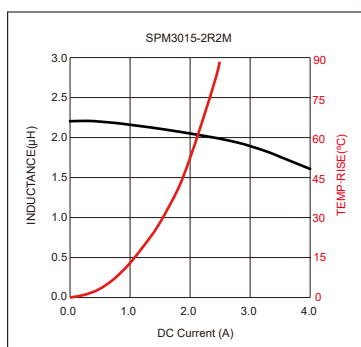
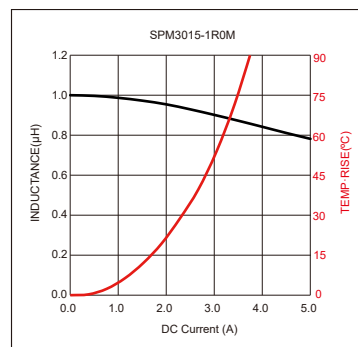
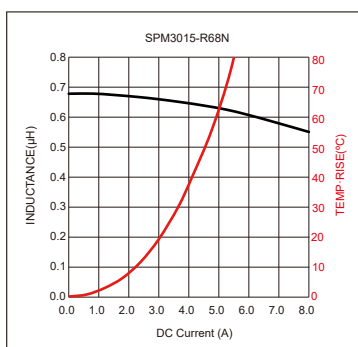
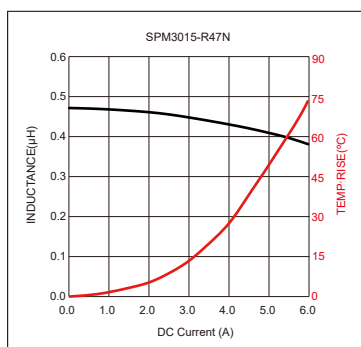
| Part No      | Inductance (μH) | Tolerance | Temperature Rise Current Typ. (A) | Saturation Current Typ. (A) | DCR Max. (mΩ) | DCR Typ. (mΩ) |
|--------------|-----------------|-----------|-----------------------------------|-----------------------------|---------------|---------------|
| SPM3015-R47N | 0.47            | ± 30%     | 3.70                              | 6.00                        | 24            | 20            |
| SPM3015-R68N | 0.68            | ± 30%     | 3.40                              | 5.00                        | 32            | 26            |
| SPM3015-1R0M | 1.0             | ± 30%     | 2.70                              | 4.40                        | 47            | 39            |
| SPM3015-2R2M | 2.2             | ± 30%     | 1.80                              | 3.00                        | 108           | 94            |
| SPM3015-3R3M | 3.3             | ± 20%     | 1.70                              | 2.90                        | 131           | 114           |
| SPM3015-4R7M | 4.7             | ± 20%     | 1.50                              | 2.70                        | 162           | 141           |
| SPM3015-6R8M | 6.8             | ± 20%     | 1.10                              | 2.30                        | 287           | 250           |
| SPM3015-100M | 10              | ± 20%     | 0.80                              | 2.00                        | 513           | 446           |
| SPM3015-150M | 15              | ± 20%     | 0.65                              | 1.71                        | 830           | 720           |
| SPM3015-220M | 22              | ± 20%     | 0.59                              | 1.62                        | 1040          | 940           |
| SPM3015-330M | 33              | ± 20%     | 0.52                              | 1.26                        | 1330          | 1210          |
| SPM3015-470M | 47              | ± 20%     | 0.39                              | 1.17                        | 2300          | 2090          |

Inductance is measured at 100kHz, 1V

Temperature rise current: the actual value of DC current when the temperature rise is ΔT40 °C

Saturation Current that will cause initial inductance to drop approximately 20%

## Typical Electrical Characteristics:



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