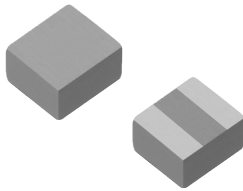


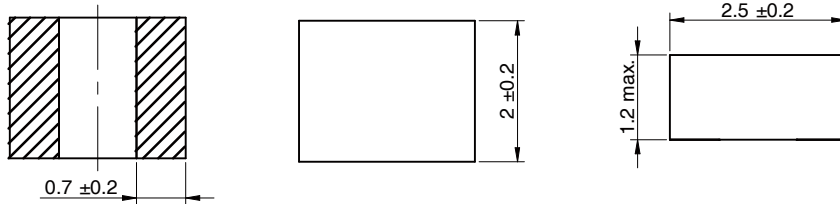
SPM Series
SMT Power Metal Inductor
Size 2512



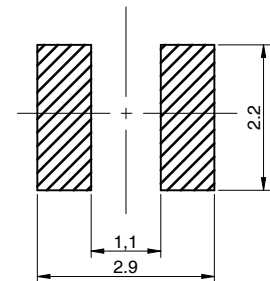
CHARACTERISTICS

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- Operating temperature: -40 °C ~ 125 °C
- Quantity: 3000 pcs/reel
- AEC-Q200 Compliant

Dimensions: [mm]



Land Pattern: [mm]

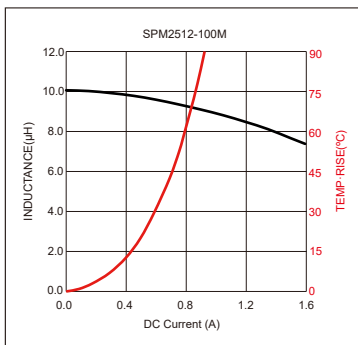
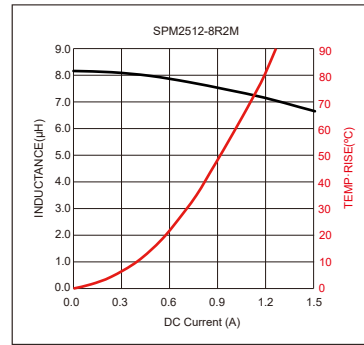
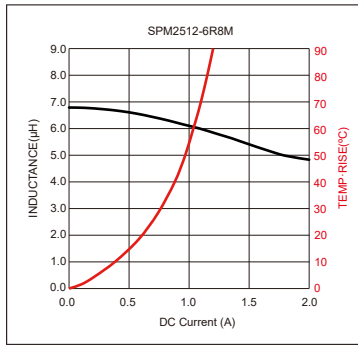
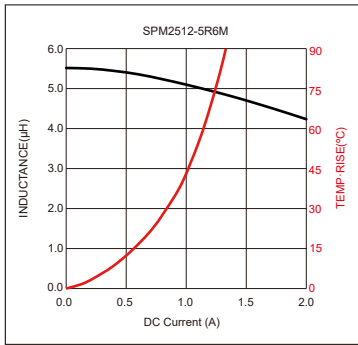
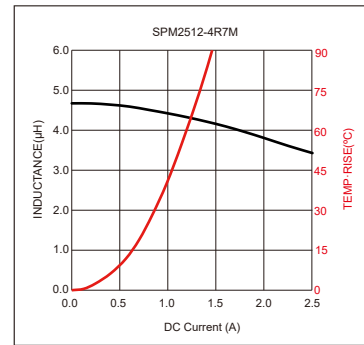
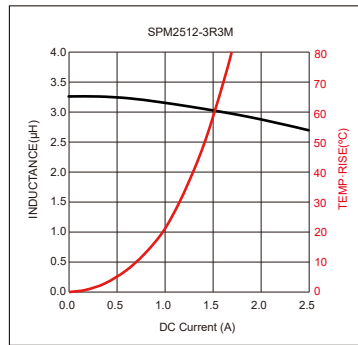
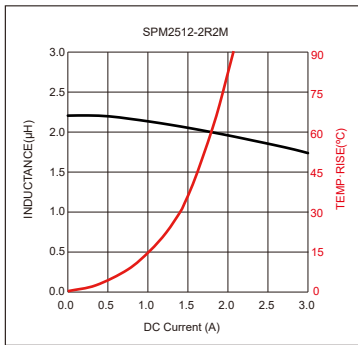
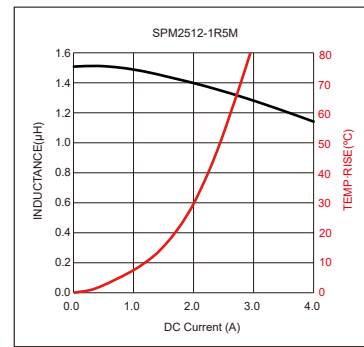
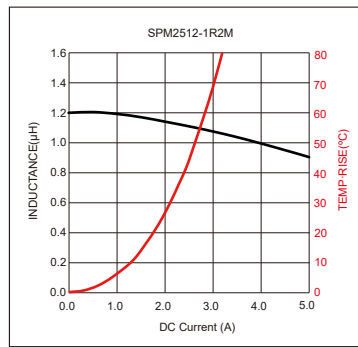
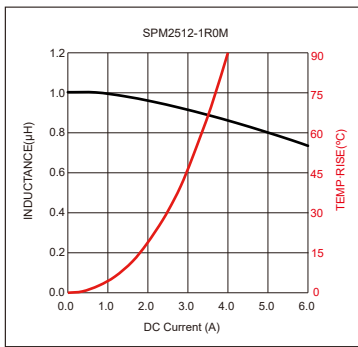
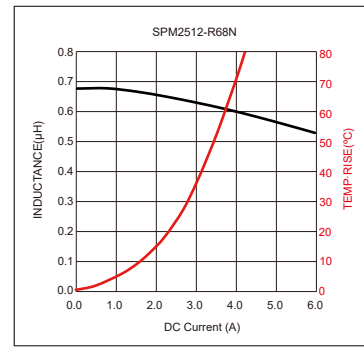
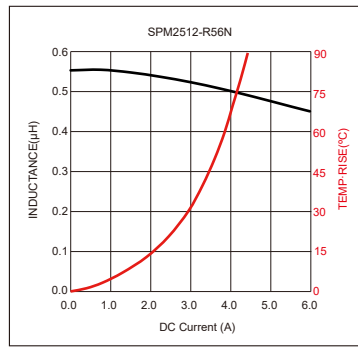
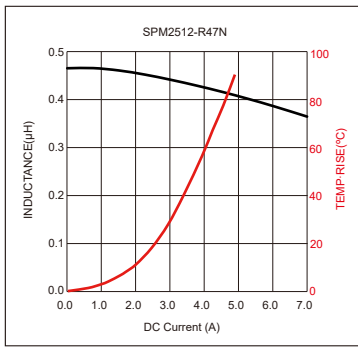


Electrical Properties:

| Part No | Inductance (μH) | Tolerance | Temperature Rise Current Typ. (A) | Saturation Current Typ. (A) | DCR Max. (mΩ) | DCR Typ. (mΩ) |
|--------------|-----------------|-----------|-----------------------------------|-----------------------------|---------------|---------------|
| SPM2512-R47N | 0.47 | ± 30% | 3.40 | 6.70 | 40 | 30 |
| SPM2512-R56N | 0.56 | ± 30% | 3.10 | 6.40 | 49 | 37 |
| SPM2512-R68N | 0.68 | ± 30% | 2.90 | 6.10 | 59 | 45 |
| SPM2512-1R0M | 1.0 | ± 20% | 2.80 | 5.70 | 60 | 49 |
| SPM2512-1R2M | 1.2 | ± 20% | 2.40 | 5.30 | 80 | 67 |
| SPM2512-1R5M | 1.5 | ± 20% | 2.20 | 4.20 | 99 | 82 |
| SPM2512-2R2M | 2.2 | ± 20% | 1.60 | 3.40 | 141 | 123 |
| SPM2512-3R3M | 3.3 | ± 20% | 1.20 | 3.00 | 260 | 226 |
| SPM2512-4R7M | 4.7 | ± 20% | 1.00 | 2.10 | 345 | 300 |
| SPM2512-5R6M | 5.6 | ± 20% | 0.90 | 1.90 | 465 | 405 |
| SPM2512-6R8M | 6.8 | ± 20% | 0.80 | 1.80 | 640 | 560 |
| SPM2512-8R2M | 8.2 | ± 20% | 0.75 | 1.70 | 720 | 630 |
| SPM2512-100M | 10 | ± 20% | 0.70 | 1.50 | 780 | 680 |

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 30%

Typical Electrical Characteristics:



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