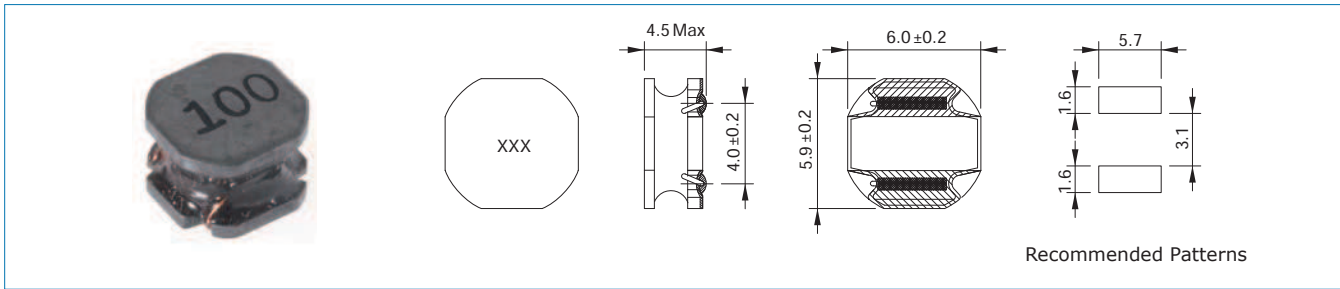


## Mechanical Dimensions (Unit: mm)



## Electrical Specification

| Part NO.        | MARK | Inductance (μH) | Test Freq. (KHz) | DCR (mΩ) | Isat (A) | Irms (A) | SRF (MHz) | Inductance TOL. |
|-----------------|------|-----------------|------------------|----------|----------|----------|-----------|-----------------|
|                 |      |                 |                  | Max.     | Max.     | Max.     | MIN       |                 |
| CSM0645D1R0NP00 | 1R0  | 1.0             | 100              | 18.2     | 8.50     | 6.00     | 110       | ± 30%           |
| CSM0645D1R3NP00 | 1R3  | 1.3             | 100              | 20.8     | 8.00     | 5.20     | 95        |                 |
| CSM0645D1R8NP00 | 1R8  | 1.8             | 100              | 23.4     | 7.00     | 5.00     | 80        |                 |
| CSM0645D2R3NP00 | 2R3  | 2.3             | 100              | 27.3     | 6.00     | 4.50     | 60        |                 |
| CSM0645D3R0NP00 | 3R0  | 3.0             | 100              | 31.2     | 5.00     | 4.00     | 45        |                 |
| CSM0645D4R5MP00 | 4R5  | 4.5             | 100              | 40.3     | 4.00     | 3.70     | 25        | ± 20%           |
| CSM0645D6R3MP00 | 6R3  | 6.3             | 100              | 49.4     | 3.80     | 3.50     | 15        |                 |
| CSM0645D100MP00 | 100  | 10              | 100              | 61.1     | 3.00     | 2.80     | 12        |                 |
| CSM0645D150MP00 | 150  | 15              | 100              | 100.1    | 2.30     | 2.30     | 10        |                 |
| CSM0645D220MP00 | 220  | 22              | 100              | 149.5    | 1.90     | 1.70     | 7.0       |                 |
| CSM0645D330MP00 | 330  | 33              | 100              | 188.5    | 1.50     | 1.50     | 6.0       |                 |
| CSM0645D470MP00 | 470  | 47              | 100              | 286.0    | 1.30     | 1.30     | 5.0       |                 |
| CSM0645D680MP00 | 680  | 68              | 100              | 429.0    | 1.00     | 1.00     | 4.0       |                 |
| CSM0645D820MP00 | 820  | 82              | 100              | 533.0    | 0.90     | 0.90     | 3.5       |                 |
| CSM0645D101MP00 | 101  | 100             | 100              | 650.0    | 0.80     | 0.80     | 3.0       |                 |

- a. Tolerance: N: ± 30%, M: ± 20%
- b. Test Frequency: 100KHz, 1V
- c. Test Equipment:  
L/Q: CHROMA-3302.  
SRF: HP-4291B or equivalent.  
RDC: CH16502 or equivalent.

- d. Isat: Based on Inductance decrease 30% (at 20°C)
- e. Iirms: Based on Temperature increase 40°C (at 20°C)
- f. Operating temperature range: -25°C to +120°C (Including self-temperature rise)
- g. Storage Temp.: -40°C to +85°C

## Characteristic Curve

