

## 7208M



### ■ Features

- Small magnetically unshielded type inductor
- Usable as choke coil in small equipment
- Variety of heights according to application

Magnetic structure :

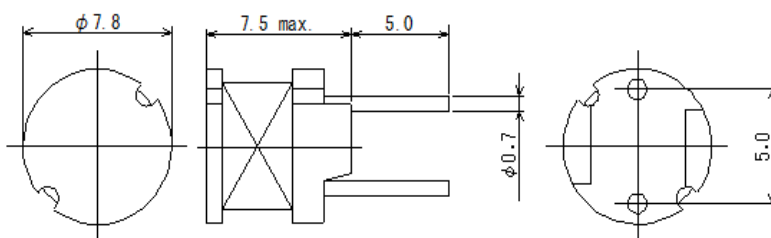


Weight : 1.2 g

### ■ Applications

- Audio Visual/Recorder, Mini System, AV Amplifier, for Professionals
- Computer & Peripheral Device/Printer(MFP)
- Home Electronics/Home Electronics, Lights, LED Lights
- Others/Energy, Power Supply, FA, Medical

### ■ Dimensions



(Unit : mm)



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<https://www.sagami-elec.co.jp>

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## ■ Specifications

| SAGAMI Part No. | Inductance<br>( $\mu$ H) | DCR<br>(m $\Omega$ ) |         | DC Saturation<br>Allowable Current<br>(A) | Temperature Rise<br>Allowable Current<br>(A) |
|-----------------|--------------------------|----------------------|---------|-------------------------------------------|----------------------------------------------|
|                 |                          | max.                 | Typical |                                           |                                              |
| 7208M-100L      | 10 $\pm$ 15%             | 0.0360               | 0.0300  | 3.00                                      | 2.40                                         |
| 7208M-120K      | 12 $\pm$ 10%             | 0.0430               | 0.0350  | 2.50                                      | 2.20                                         |
| 7208M-150K      | 15 $\pm$ 10%             | 0.0490               | 0.0390  | 2.40                                      | 2.05                                         |
| 7208M-180K      | 18 $\pm$ 10%             | 0.0530               | 0.0440  | 2.20                                      | 1.95                                         |
| 7208M-220K      | 22 $\pm$ 10%             | 0.0630               | 0.0510  | 1.90                                      | 1.85                                         |
| 7208M-270K      | 27 $\pm$ 10%             | 0.0800               | 0.0630  | 1.80                                      | 1.60                                         |
| 7208M-330K      | 33 $\pm$ 10%             | 0.100                | 0.0830  | 1.60                                      | 1.40                                         |
| 7208M-390K      | 39 $\pm$ 10%             | 0.120                | 0.0930  | 1.40                                      | 1.35                                         |
| 7208M-470K      | 47 $\pm$ 10%             | 0.140                | 0.105   | 1.30                                      | 1.25                                         |
| 7208M-560K      | 56 $\pm$ 10%             | 0.160                | 0.120   | 1.20                                      | 1.15                                         |
| 7208M-680K      | 68 $\pm$ 10%             | 0.210                | 0.169   | 1.10                                      | 1.00                                         |
| 7208M-820K      | 82 $\pm$ 10%             | 0.250                | 0.187   | 1.00                                      | 0.950                                        |
| 7208M-101K      | 100 $\pm$ 10%            | 0.340                | 0.259   | 0.920                                     | 0.820                                        |
| 7208M-121K      | 120 $\pm$ 10%            | 0.380                | 0.291   | 0.880                                     | 0.760                                        |
| 7208M-151K      | 150 $\pm$ 10%            | 0.440                | 0.334   | 0.770                                     | 0.720                                        |
| 7208M-181K      | 180 $\pm$ 10%            | 0.510                | 0.387   | 0.690                                     | 0.690                                        |
| 7208M-221K      | 220 $\pm$ 10%            | 0.700                | 0.535   | 0.650                                     | 0.580                                        |
| 7208M-271K      | 270 $\pm$ 10%            | 0.800                | 0.624   | 0.570                                     | 0.540                                        |
| 7208M-331K      | 330 $\pm$ 10%            | 1.10                 | 0.827   | 0.510                                     | 0.470                                        |
| 7208M-391K      | 390 $\pm$ 10%            | 1.20                 | 0.927   | 0.460                                     | 0.440                                        |
| 7208M-471K      | 470 $\pm$ 10%            | 1.40                 | 1.05    | 0.420                                     | 0.410                                        |
| 7208M-561K      | 560 $\pm$ 10%            | 1.80                 | 1.35    | 0.400                                     | 0.350                                        |
| 7208M-681K      | 680 $\pm$ 10%            | 2.10                 | 1.56    | 0.350                                     | 0.320                                        |
| 7208M-821K      | 820 $\pm$ 10%            | 2.70                 | 2.04    | 0.330                                     | 0.290                                        |
| 7208M-102K      | 1000 $\pm$ 10%           | 3.00                 | 2.34    | 0.300                                     | 0.270                                        |

Inductance Measuring Condition:1kHz,1V

DC saturation allowable current:The current value which inductance decrease within 10% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is within 35°C



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