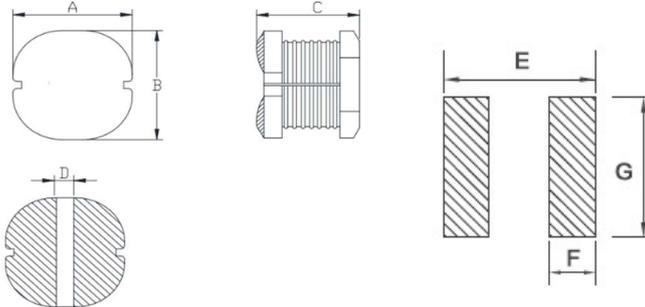




## SMT Power Inductor M105 Series

### Dimensions



|                      |
|----------------------|
| A: $10.0 \pm 0.4$ mm |
| B: $9.0 \pm 0.4$ mm  |
| C: $5.4 \pm 0.4$ mm  |
| D: 2.9 ref mm        |
| E: 10.0 ref mm       |
| F: 3.75 ref mm       |
| G: 9.5 ref mm        |

### ELECTRICAL CHARACTERISTICS

| Model    | Inductance( $\mu$ H) | Test Condition | RDC( $\Omega$ ) | Saturation Current(A) |
|----------|----------------------|----------------|-----------------|-----------------------|
|          |                      |                | Max.            |                       |
| M105-2R2 | 2.2 $\pm$ 20%        | 100KHZ/0.25V   | 0.040           | 7.20                  |
| M105-3R3 | 3.3 $\pm$ 20%        | 100KHZ/0.25V   | 0.050           | 6.50                  |
| M105-4R7 | 4.7 $\pm$ 20%        | 100KHZ/0.25V   | 0.038           | 5.50                  |
| M105-5R6 | 5.6 $\pm$ 20%        | 100KHZ/0.25V   | 0.041           | 4.50                  |
| M105-6R8 | 6.8 $\pm$ 20%        | 100KHZ/0.25V   | 0.050           | 3.20                  |
| M105-8R2 | 8.2 $\pm$ 20%        | 100KHZ/0.25V   | 0.070           | 2.70                  |
| M105-100 | 10 $\pm$ 20%         | 100KHZ/0.25V   | 0.060           | 2.60                  |
| M105-120 | 12 $\pm$ 20%         | 100KHZ/0.25V   | 0.070           | 2.50                  |
| M105-150 | 15 $\pm$ 20%         | 100KHZ/0.25V   | 0.080           | 2.27                  |
| M105-180 | 18 $\pm$ 20%         | 100KHZ/0.25V   | 0.090           | 2.15                  |
| M105-220 | 22 $\pm$ 10%         | 100KHZ/0.25V   | 0.100           | 1.95                  |
| M105-270 | 27 $\pm$ 10%         | 100KHZ/0.25V   | 0.110           | 1.76                  |
| M105-330 | 33 $\pm$ 10%         | 100KHZ/0.25V   | 0.120           | 1.50                  |
| M105-390 | 39 $\pm$ 10%         | 100KHZ/0.25V   | 0.140           | 1.37                  |
| M105-470 | 47 $\pm$ 10%         | 100KHZ/0.25V   | 0.155           | 2.25                  |
| M105-560 | 56 $\pm$ 10%         | 100KHZ/0.25V   | 0.190           | 1.17                  |
| M105-680 | 68 $\pm$ 10%         | 100KHZ/0.25V   | 0.220           | 1.70                  |
| M105-820 | 82 $\pm$ 10%         | 100KHZ/0.25V   | 0.250           | 1.00                  |
| M105-101 | 100 $\pm$ 10%        | 100KHZ/0.25V   | 0.280           | 1.30                  |
| M105-121 | 120 $\pm$ 10%        | 100KHZ/0.25V   | 0.400           | 0.89                  |
| M105-151 | 150 $\pm$ 10%        | 100KHZ/0.25V   | 0.540           | 0.55                  |
| M105-181 | 180 $\pm$ 10%        | 100KHZ/0.25V   | 0.530           | 0.54                  |
| M105-221 | 220 $\pm$ 10%        | 100KHZ/0.25V   | 0.730           | 0.53                  |
| M105-271 | 270 $\pm$ 10%        | 100KHZ/0.25V   | 0.970           | 0.52                  |
| M105-301 | 300 $\pm$ 10%        | 100KHZ/0.25V   | 0.990           | 0.51                  |
| M105-331 | 330 $\pm$ 10%        | 100KHZ/0.25V   | 0.830           | 0.50                  |



## UM Electronics Co., Ltd

|          |           |              |       |      |
|----------|-----------|--------------|-------|------|
| M105-351 | 350± 10%  | 100KHZ/0.25V | 1.100 | 0.49 |
| M105-391 | 390± 10%  | 100KHZ/0.25V | 1.200 | 0.48 |
| M105-471 | 470± 10%  | 100KHZ/0.25V | 1.350 | 0.48 |
| M105-501 | 500± 10%  | 100KHZ/0.25V | 1.750 | 0.47 |
| M105-561 | 560± 10%  | 100KHZ/0.25V | 1.730 | 0.47 |
| M105-601 | 600± 10%  | 100KHZ/0.25V | 1.750 | 0.47 |
| M105-681 | 680± 10%  | 100KHZ/0.25V | 1.800 | 0.46 |
| M105-701 | 700± 10%  | 100KHZ/0.25V | 1.900 | 0.46 |
| M105-821 | 820± 10%  | 100KHZ/0.25V | 1.910 | 0.45 |
| M105-851 | 850± 10%  | 100KHZ/0.25V | 2.000 | 0.45 |
| M105-102 | 1000± 10% | 100KHZ/0.25V | 2.500 | 0.45 |
| M105-122 | 1200± 10% | 100KHZ/0.25V | 3.500 | 0.42 |
| M105-152 | 1500± 10% | 100KHZ/0.25V | 4.000 | 0.37 |
| M105-202 | 2000± 10% | 100KHZ/0.25V | 7.000 | 0.22 |
| M105-222 | 2200± 10% | 100KHZ/0.25V | 7.100 | 0.21 |
| M105-252 | 2500± 10% | 100KHZ/0.25V | 7.300 | 0.20 |
| M105-302 | 3000± 10% | 100KHZ/0.25V | 8.300 | 0.21 |
| M105-332 | 3300± 10% | 100KHZ/0.25V | 8.400 | 0.21 |
| M105-472 | 4700± 10% | 100KHZ/0.25V | 9.600 | 0.20 |