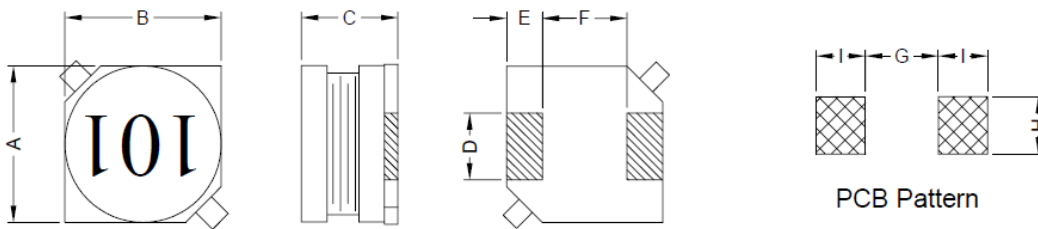


SMD POWER INDUCTOR

SERIE: MSB0705 7,0 x 7,0 x 4,6mm

DIMENSIONS:

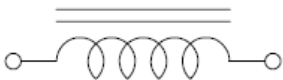
VPE: 1000pcs.



Unit:m/m

| A | B | C | D | E | F | G | H | I |
|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 7.0±0.3 | 7.0±0.3 | 4.6±0.3 | 2.0±0.2 | 1.5±0.2 | 4.0±0.2 | 3.7 Ref. | 2.2 Ref. | 1.9 Ref. |

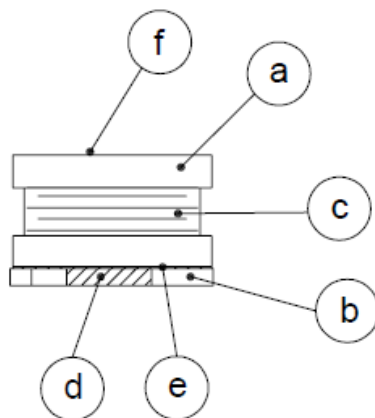
SCHEMATIC:



GENERAL SPECIFICATION :

- 1- Temp. rise: 40°C Max.
- 2- Operating temp. : -40°C to + 85°C
- 3- Storage temp. : -40°C to + 125°C
- 4- Rated current: Base on temp. rise & $\Delta L/L0A=10\%$ Max.
- 5- Resistance to solder heat: 260°C. 10sec.

MATERIALS:



- (a) Core : DR Ferrite Core
- (b) Base : LCP
- (c) Wire : Enamelled Copper Wire
- (d) Terminal : Tinned Copper Plate
- (e) Adhesive : Epoxy
- (f) Ink : Bon Margue

NOTE : Specifications subject to change without notice. Please check our website for latest information.

SMD POWER INDUCTOR

SERIE: MSB0705 7,0 x 7,0 x 4,6mm



ELECTRICAL CHARACTERISTICS:

| Part No. | L (uH) | Tolerance | Test Frequency (MHz) | RDC (mΩ) Max | IDC (A) |
|---------------|-----------|-----------|----------------------------|--------------------|------------|
| MSB0705 - 1R0 | 1,0 | 20% | 1V / 100K | 23 | 3,50 |
| MSB0705 - 1R5 | 1,5 | 20% | 1V / 100K | 28 | 3,20 |
| MSB0705 - 2R2 | 2,2 | 20% | 1V / 100K | 33 | 3,00 |
| MSB0705 - 3R3 | 3,3 | 20% | 1V / 100K | 40 | 2,70 |
| MSB0705 - 4R7 | 4,7 | 20% | 1V / 100K | 50 | 2,50 |
| MSB0705 - 6R8 | 6,8 | 20% | 1V / 100K | 60 | 2,20 |
| MSB0705 - 100 | 10 | 20% | 1V / 100K | 75 | 2,00 |
| MSB0705 - 120 | 12 | 20% | 1V / 100K | 85 | 1,90 |
| MSB0705 - 150 | 15 | 15% | 1V / 100K | 90 | 1,50 |
| MSB0705 - 180 | 18 | 15% | 1V / 100K | 100 | 1,40 |
| MSB0705 - 220 | 22 | 15% | 1V / 100K | 120 | 1,30 |
| MSB0705 - 270 | 27 | 15% | 1V / 100K | 150 | 1,20 |
| MSB0705 - 330 | 33 | 15% | 1V / 100K | 180 | 1,10 |
| MSB0705 - 390 | 39 | 15% | 1V / 100K | 190 | 1,00 |
| MSB0705 - 470 | 47 | 15% | 1V / 100K | 220 | 0,90 |
| MSB0705 - 560 | 56 | 10% | 1V / 100K | 250 | 0,85 |
| MSB0705 - 680 | 68 | 10% | 1V / 100K | 270 | 0,80 |
| MSB0705 - 820 | 82 | 10% | 1V / 100K | 380 | 0,70 |
| MSB0705 - 101 | 100 | 10% | 1V / 100K | 420 | 0,65 |
| MSB0705 - 121 | 120 | 10% | 1V / 100K | 520 | 0,60 |
| MSB0705 - 151 | 150 | 10% | 1V / 100K | 580 | 0,50 |
| MSB0705 - 181 | 180 | 10% | 1V / 100K | 650 | 0,45 |
| MSB0705 - 221 | 220 | 10% | 1V / 100K | 880 | 0,40 |
| MSB0705 - 271 | 270 | 10% | 1V / 100K | 990 | 0,35 |
| MSB0705 - 331 | 330 | 10% | 1V / 100K | 1100 | 0,32 |

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SMD POWER INDUCTOR

SERIE: MSB0705 7,0 x 7,0 x 4,6mm



ELECTRICAL CHARACTERISTICS:

| Part No. | L (μ H) | Tolerance | Test Frequency (MHz) | RDC ($m\Omega$) Max | IDC (A) Max. |
|----------------------|-----------------|-----------|----------------------------|-----------------------------|--------------------|
| MSB0705 - 391 | 390 | 10% | 1V / 100K | 1400 | 0,30 |
| MSB0705 - 471 | 470 | 10% | 1V / 100K | 1900 | 0,28 |
| MSB0705 - 561 | 560 | 10% | 1V / 100K | 2200 | 0,25 |
| MSB0705 - 681 | 680 | 10% | 1V / 100K | 2500 | 0,22 |
| MSB0705 - 821 | 820 | 10% | 1V / 100K | 2900 | 0,20 |
| MSB0705 - 102 | 1000 | 10% | 1V / 100K | 4000 | 0,18 |

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