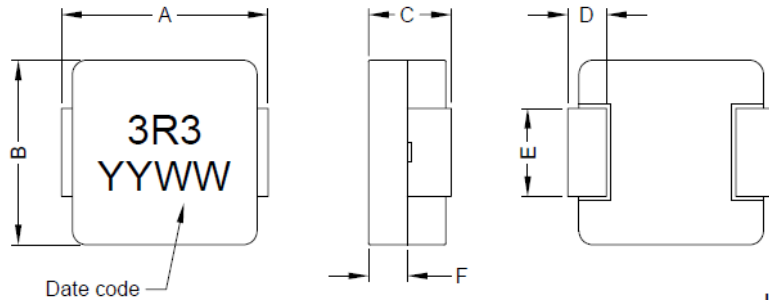


# SMD POWER INDUCTORS

**SERIE:** HPC01004 11,0 x 10,0 x 3,8 mm

## DIMENSIONS:

VPE: 500 pcs.



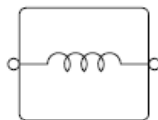
RoHS Compliant



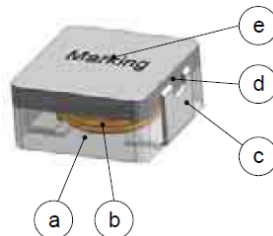
Unit:m/m

| A        | B        | C       | D       | E       | F     |
|----------|----------|---------|---------|---------|-------|
| 11.0±0.5 | 10.0±0.3 | 3.8±0.2 | 2.3±0.3 | 3.0±0.3 | 0~2.5 |

## SCHEMATIC:



## MATERIALS :



- (a) Core : Magnetic metal powder or equivalent
- (b) Wire : Polyester wire or equivalent
- (c) Solder Plating : 100% Pb free solder
- (d) Paint : Epoxy resin
- (e) Ink : Halogen-free ketone

## GENERAL SPECIFICATION:

1. Test Freq. : L : 100KHz./1V
2. Ambient Temp.: 25°C
3. Operating Temp. : - 40°C to + 125°C
4. Storage Temp. : -40°C to + 125°C
5. Humidity Range: 50~60% RH ( Product without taping )
6. Heat Rated Current ( I<sub>rms</sub> ) : Will cause the coil temp. rise approximately Δt to 40°C (keep 1min )
7. Saturation Current ( I<sub>sat</sub> ) : Will cause L0 to drop ≤ 20% (keep quickly )
8. Part Temperature ( Ambient + Temp. Rise ) : Should not exceed 125°C under worst case operating conditions

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

# SMD POWER INDUCTORS

**SERIE:** HPC01004 11,0 x 10,0 x 3,8 mm



## ELECTRICAL CHARACTERISTICS

| Part No.          | Inductance L0<br>( $\mu\text{H}$ )<br>$\pm 20\%$ @ 0A | DCR<br>( $\text{m}\Omega$ )<br>Max. @<br>25°C | DCR<br>( $\text{m}\Omega$ )<br>Typ. @<br>25°C | I <sub>rms</sub><br>(A)<br>Typ. | I <sub>sat</sub><br>(A)<br>Typ. |
|-------------------|---|---|---|---------------------------------|---------------------------------|
| HPC01004 - R22SWE | 0,22  | 1,0   | 0,8   | 35                              | 60                              |
| HPC01004 - R36SWE | 0,36  | 1,2   | 1,05  | 31                              | 60                              |
| HPC01004 - R39SWE | 0,39  | 1,3   | 1,1   | 30                              | 60                              |
| HPC01004 - R45SWE | 0,45  | 1,5   | 1,3   | 29                              | 45                              |
| HPC01004 - R56SWE | 0,56  | 1,8   | 1,6   | 25                              | 40                              |
| HPC01004 - R68SWE | 0,68  | 2,7   | 2,4   | 22                              | 39                              |
| HPC01004 - 1R0SWE | 1,00  | 3,3   | 3,0   | 18                              | 36                              |
| HPC01004 - 2R2SWE | 2,20  | 7,0   | 6,5   | 12                              | 27                              |
| HPC01004 - 3R3SWE | 3,30  | 11,8  | 10,8  | 11                              | 20                              |
| HPC01004 - 4R7SWE | 4,70  | 15,5  | 15,0  | 10                              | 17                              |
| HPC01004 - 5R6SWE | 5,60  | 19,3  | 17,0  | 9,0                             | 14                              |
| HPC01004 - 6R8SWE | 6,80  | 23,3  | 17,5  | 8,5                             | 13,5                            |
| HPC01004 - 100SWE | 10,0  | 30  | 27,0  | 7,5                             | 12,0                            |

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