

# SMD POWER INDUCTORS

MODEL NO. : SPC-1003P SERIES

## FEATURES:

- \* SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- \* PICK AND PLACE COMPATIBLE.
- \* TAPE AND REEL PACKING.

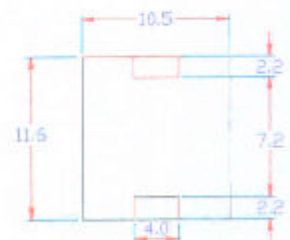
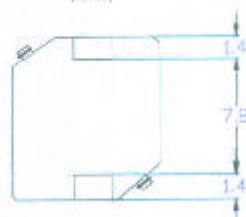
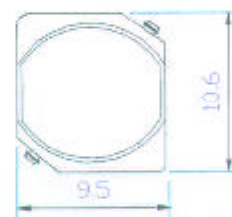
## APPLICATION :

- \* NOTEBOOK COMPUTERS.
- \* DC-DC CONVERTORS.
- \* DC-AC INVERTERS.

## ELECTRICAL SPECIFICATION:

(UNIT:mm)

| PART NO.      | INDUCTANCE<br>( $\mu$ H) $\pm$ 20% | D.C.R.<br>MAX<br>( $\Omega$ ) | RATED<br>CURRENT<br>(A) |
|---------------|------------------------------------|-------------------------------|-------------------------|
| SPC-1003P-100 | 10                                 | 0.11                          | 2.4                     |
| SPC-1003P-150 | 15                                 | 0.15                          | 2.0                     |
| SPC-1003P-220 | 22                                 | 0.23                          | 1.6                     |
| SPC-1003P-330 | 33                                 | 0.30                          | 1.4                     |
| SPC-1003P-470 | 47                                 | 0.39                          | 1.0                     |
| SPC-1003P-560 | 56                                 | 0.40                          | 0.9                     |
| SPC-1003P-680 | 68                                 | 0.50                          | 0.9                     |
| SPC-1003P-101 | 100                                | 0.90                          | 0.7                     |
| SPC-1003P-151 | 150                                | 1.2                           | 0.6                     |
| SPC-1003P-221 | 220                                | 1.9                           | 0.5                     |
| SPC-1003P-331 | 330                                | 2.7                           | 0.4                     |
| SPC-1003P-471 | 470                                | 4.0                           | 0.3                     |
| SPC-1003P-681 | 680                                | 5.3                           | 0.2                     |
| SPC-1003P-102 | 1000                               | 8.4                           | 0.1                     |



**TOLERANCE :  $\pm$  0.3**

**PCB PATTERN**

NOTE(1):TEST FREQUENCY: 100 kHz,1 VRMS.

NOTE (2): THIS INDICATES THE VALUE OF DC CURRENT WHICH THE INDUCTANCE IS 10% LOWER THAN ITS INITIAL VALUE AND/OR  $\Delta T=40^{\circ}\text{C}$  UNDER THIS DC CURRENT BIAS.

