

# SMD POWER INDUCTORS

MODEL NO. : SPC-1004P SERIES (CD104 COMPATIBLE)

**FEATURES:**

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



**APPLICATION :**

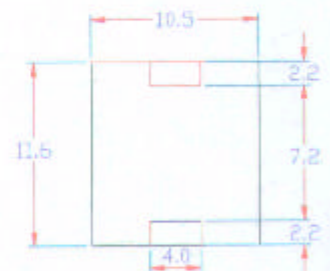
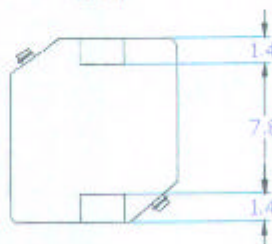
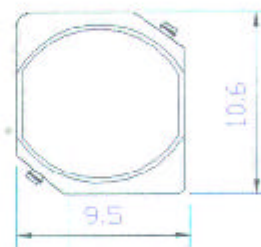
- \* NOTEBOOK COMPUTERS.
- \* DC-DC CONVERTORS.
- \* DC-AC INVERTERS.

**ELECTRICAL SPECIFICATION:**

(UNIT:mm)

| PART NO.      | INDUCTANCE (uH) | D.C.R. MAX (Ω) | RATED CURRENT (A) |
|---------------|-----------------|----------------|-------------------|
| SPC-1004P-100 | 10              | 0.05           | 2.38              |
| SPC-1004P-120 | 12              | 0.06           | 2.13              |
| SPC-1004P-150 | 15              | 0.07           | 1.87              |
| SPC-1004P-180 | 18              | 0.08           | 1.73              |
| SPC-1004P-220 | 22              | 0.09           | 1.60              |
| SPC-1004P-270 | 27              | 0.12           | 1.44              |
| SPC-1004P-330 | 33              | 0.15           | 1.26              |
| SPC-1004P-390 | 39              | 0.17           | 1.20              |
| SPC-1004P-470 | 47              | 0.19           | 1.10              |
| SPC-1004P-560 | 56              | 0.22           | 1.01              |
| SPC-1004P-680 | 68              | 0.25           | 0.91              |
| SPC-1004P-820 | 82              | 0.30           | 0.85              |
| SPC-1004P-101 | 100             | 0.37           | 0.74              |
| SPC-1004P-121 | 120             | 0.45           | 0.69              |
| SPC-1004P-151 | 150             | 0.54           | 0.61              |
| SPC-1004P-181 | 180             | 0.62           | 0.56              |
| SPC-1004P-221 | 220             | 0.72           | 0.53              |
| SPC-1004P-271 | 270             | 0.95           | 0.45              |
| SPC-1004P-331 | 330             | 1.10           | 0.42              |
| SPC-1004P-391 | 390             | 1.24           | 0.38              |
| SPC-1004P-471 | 470             | 1.53           | 0.35              |
| SPC-1004P-561 | 560             | 1.90           | 0.32              |

**PHYSICAL DIMENSION :**



TOLERANCE : ± 0.3

PCB PATTERN

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

NOTE(2) : 10~47uH ± 20% , 56~560uH ± 10%.

NOTE (3): THIS INDICATES THE VALUE OF DC CURRENT WHICH THE INDUCTANCE IS 10% LOWER THAN ITS INITIAL VALUE AND/OR ΔT=40°C UNDER THIS DC CURRENT BIAS.