

■ Features:

- High energy storage and very low resistance
- Smallest size and high performance

■ Applications:

- DC to DC converters for notebook, VGA card, PDA notebook, portable communication equipments

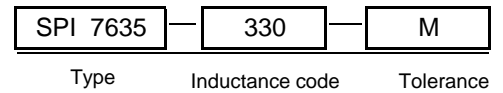
Dimensions in mm

| TYPE | A | B | C |
|----------|---------|---------|---------|
| SPI 7630 | 7.6 Max | 7.6 Max | 3.0 Max |
| SPI 7635 | 7.6 Max | 7.6 Max | 3.5 Max |
| SPI 7651 | 7.6 Max | 7.6 Max | 5.1 Max |

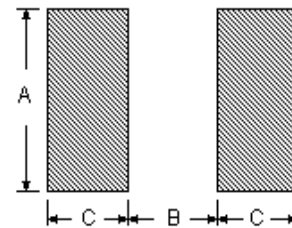
■ Specifications

| Inductance | | SPI 7630 | | SPI 7635 | | SPI 7651 | |
|------------|-----|----------|---------|----------|---------|----------|---------|
| TYPE | uH | DCR (Ω) | IDC (A) | DCR (Ω) | IDC (A) | DCR (Ω) | IDC (A) |
| 1R0 | 1.0 | 0.02 | 3.60 | 0.018 | 3.00 | 0.023 | 2.88 |
| 1R5 | 1.5 | 0.03 | 3.40 | 0.023 | 2.62 | 0.028 | 2.56 |
| 2R2 | 2.2 | 0.03 | 2.68 | 0.029 | 2.27 | 0.032 | 2.36 |
| 3R3 | 3.3 | 0.04 | 2.40 | 0.039 | 1.98 | 0.038 | 2.16 |
| 4R7 | 4.7 | 0.06 | 2.26 | 0.050 | 1.75 | 0.049 | 1.88 |
| 6R8 | 6.8 | 0.08 | 1.66 | 0.065 | 1.47 | 0.060 | 1.68 |
| 100 | 10 | 0.12 | 1.37 | 0.086 | 1.28 | 0.070 | 1.56 |
| 120 | 12 | 0.14 | 1.12 | 0.111 | 1.09 | 0.080 | 1.44 |
| 150 | 15 | 0.18 | 1.08 | 0.143 | 0.98 | 0.090 | 1.36 |
| 180 | 18 | 0.20 | 1.04 | 0.169 | 0.87 | 0.100 | 1.28 |
| 220 | 22 | 0.27 | 0.80 | 0.202 | 0.80 | 0.120 | 1.17 |
| 270 | 27 | 0.32 | 0.77 | 0.260 | 0.70 | 0.140 | 1.07 |
| 330 | 33 | 0.35 | 0.71 | 0.312 | 0.63 | 0.160 | 1.00 |
| 390 | 39 | 0.48 | 0.62 | 0.364 | 0.58 | 0.190 | 0.91 |
| 470 | 47 | 0.56 | 0.56 | 0.442 | 0.53 | 0.220 | 0.84 |
| 560 | 56 | 0.63 | 0.54 | 0.520 | 0.48 | 0.290 | 0.72 |
| 680 | 68 | 0.71 | 0.50 | 0.650 | 0.42 | 0.340 | 0.66 |
| 820 | 82 | 0.97 | 0.43 | 0.780 | 0.37 | 0.460 | 0.58 |
| 101 | 100 | 1.08 | 0.39 | 1.027 | 0.33 | 0.550 | 0.51 |
| 121 | 120 | | | | | 0.670 | 0.42 |
| 151 | 150 | | | | | 0.900 | 0.37 |
| 181 | 180 | | | | | 1.050 | 0.35 |
| 221 | 220 | | | | | 1.350 | 0.29 |
| 271 | 270 | | | | | 1.550 | 0.28 |
| 331 | 330 | | | | | 2.050 | 0.23 |
| 391 | 390 | | | | | 2.300 | 0.21 |
| 471 | 470 | | | | | 2.600 | 0.19 |

■ Parts code:



■ Recommended Land Pattern:



| Type | A | B | C |
|----------|-----|-----|-----|
| SPI 7630 | 3.0 | 4.4 | 2.0 |
| SPI 7635 | 3.0 | 4.4 | 2.0 |
| SPI 7651 | 3.0 | 4.4 | 2.0 |

■ Notes:

1. Test Freq. : 100KHz / 0.25V
2. PACKAGING: 1000Pcs/Reel