



■ Features:

- Available in magnetically shielded, Low DC resistance
- Suitable for large currents

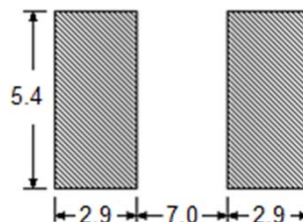
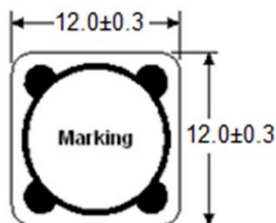
■ Applications:

- DC to DC converters for VTR, OA equipment, LCD television set, notebook, portable communication equipments

■ Parts code:

■ Recommended Land Pattern:

**SPRH 124** — **4R7** — **M**  
 Type Inductance code Tolerance: M: ± 20%  
 N: ± 30%

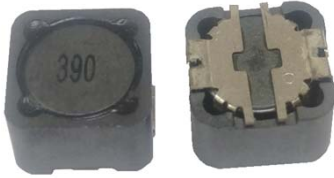


■ Specifications

| Inductance    |   |     | SPRH 124                  |  |
|---------------|---|-----|---------------------------|--|
|               |   |     | DCR Resistance<br>(Ω) Max | Inductance Decrease Current<br>(A) Max |
| TYPE          |   | uH  |                           |  |
| SPRH 124- 3R9 | N | 3.9 | 0.015                     | 6.5                                    |
| SPRH 124- 4R7 | N | 4.7 | 0.018                     | 5.7                                    |
| SPRH 124- 6R8 | N | 6.8 | 0.023                     | 4.9                                    |
| SPRH 124- 8R2 | N | 8.2 | 0.026                     | 4.6                                    |
| SPRH 124- 100 | M | 10  | 0.028                     | 4.5                                    |
| SPRH 124- 120 | M | 12  | 0.038                     | 4.0                                    |
| SPRH 124- 150 | M | 15  | 0.050                     | 3.2                                    |
| SPRH 124- 180 | M | 18  | 0.057                     | 3.1                                    |
| SPRH 124- 220 | M | 22  | 0.066                     | 2.9                                    |
| SPRH 124- 270 | M | 27  | 0.080                     | 2.8                                    |
| SPRH 124- 330 | M | 33  | 0.097                     | 2.7                                    |
| SPRH 124- 390 | M | 39  | 0.132                     | 2.1                                    |
| SPRH 124- 470 | M | 47  | 0.160                     | 1.9                                    |
| SPRH 124- 560 | M | 56  | 0.190                     | 1.8                                    |
| SPRH 124- 680 | M | 68  | 0.220                     | 1.5                                    |
| SPRH 124- 820 | M | 82  | 0.260                     | 1.3                                    |
| SPRH 124- 101 | M | 100 | 0.308                     | 1.2                                    |
| SPRH 124- 121 | M | 120 | 0.380                     | 1.1                                    |
| SPRH 124- 151 | M | 150 | 0.530                     | 1.0                                    |
| SPRH 124- 181 | M | 180 | 0.620                     | 0.9                                    |
| SPRH 124- 221 | M | 220 | 0.700                     | 0.8                                    |
| SPRH 124- 271 | M | 270 | 0.870                     | 0.6                                    |
| SPRH 124- 331 | M | 330 | 0.990                     | 0.5                                    |

■ Notes:

1. Test Freq. 100KHz / 0.1V
2. Tolerance: M=±20% , N=±30%
3. Operating temperature range:-40~+125°C
4. PACKAGING: 500Pcs/Reel



■ Features:

- Available in magnetically shielded, Low DC resistance
- Suitable for large currents

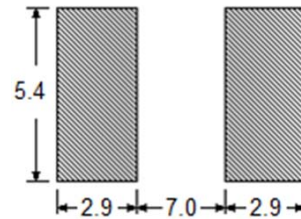
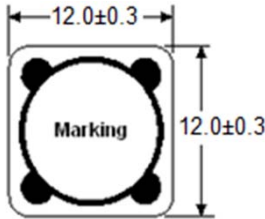
■ Applications:

- DC to DC converters for VTR, OA equipment, LCD television set, notebook, portable communication equipments

■ Parts code:

■ Recommended Land Pattern:

SPRH 125 — 4R7 — M  
 Type Inductance code Tolerance: M: ± 20%  
 N: ± 30%



■ Specifications

| Inductance   |    |            | SPRH 125 |         |      |
|--------------|----|------------|----------|---------|------|
| TYPE         | uH | Test Freq. | DCR      | IDC     |      |
|              |    |            | (Ω) Max  | (A) Max |      |
| SPRH 125-1R3 | N  | 1.3        | 7.96MHz  | 0.012   | 8.00 |
| SPRH 125-2R1 | N  | 2.1        | 7.96MHz  | 0.014   | 7.00 |
| SPRH 125-3R1 | N  | 3.1        | 7.96MHz  | 0.017   | 6.00 |
| SPRH 125-4R4 | N  | 4.4        | 7.96MHz  | 0.020   | 5.00 |
| SPRH 125-5R8 | N  | 5.8        | 7.96MHz  | 0.021   | 4.40 |
| SPRH 125-7R5 | N  | 7.5        | 7.96MHz  | 0.024   | 4.20 |
| SPRH 125-100 | M  | 10         | 1KHz     | 0.025   | 4.00 |
| SPRH 125-120 | M  | 12         | 1KHz     | 0.027   | 3.50 |
| SPRH 125-150 | M  | 15         | 1KHz     | 0.030   | 3.30 |
| SPRH 125-180 | M  | 18         | 1KHz     | 0.034   | 3.00 |
| SPRH 125-220 | M  | 22         | 1KHz     | 0.036   | 2.80 |
| SPRH 125-270 | M  | 27         | 1KHz     | 0.051   | 2.30 |
| SPRH 125-330 | M  | 33         | 1KHz     | 0.057   | 2.10 |
| SPRH 125-390 | M  | 39         | 1KHz     | 0.068   | 2.00 |
| SPRH 125-470 | M  | 47         | 1KHz     | 0.075   | 1.80 |
| SPRH 125-560 | M  | 56         | 1KHz     | 0.110   | 1.70 |
| SPRH 125-680 | M  | 68         | 1KHz     | 0.120   | 1.50 |
| SPRH 125-820 | M  | 82         | 1KHz     | 0.140   | 1.40 |
| SPRH 125-101 | M  | 100        | 1KHz     | 0.160   | 1.30 |
| SPRH 125-121 | M  | 120        | 1KHz     | 0.170   | 1.10 |
| SPRH 125-151 | M  | 150        | 1KHz     | 0.230   | 1.00 |
| SPRH 125-181 | M  | 180        | 1KHz     | 0.290   | 0.90 |
| SPRH 125-221 | M  | 220        | 1KHz     | 0.400   | 0.80 |
| SPRH 125-271 | M  | 270        | 1KHz     | 0.460   | 0.75 |
| SPRH 125-331 | M  | 330        | 1KHz     | 0.510   | 0.68 |
| SPRH 125-391 | M  | 390        | 1KHz     | 0.690   | 0.65 |
| SPRH 125-471 | M  | 470        | 1KHz     | 0.770   | 0.58 |
| SPRH 125-561 | M  | 560        | 1KHz     | 0.860   | 0.54 |
| SPRH 125-681 | M  | 680        | 1KHz     | 1.200   | 0.48 |
| SPRH 125-821 | M  | 820        | 1KHz     | 1.340   | 0.43 |
| SPRH 125-102 | M  | 1000       | 1KHz     | 1.530   | 0.40 |

■ Notes:

- 1.Tolerance: M=±20% , N=±30%    2.Operating temperature range:-40~ +125°C    3.PACKAGING: 500Pcs/Reel



■ Features:

- Available in magnetically shielded, Low DC resistance
- Suitable for large currents

■ Applications:

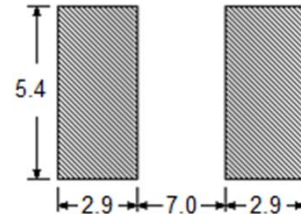
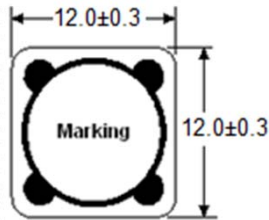
- DC to DC converters for VTR, OA equipment, LCD television set, notebook, portable communication equipments

■ Parts code:

■ Recommended Land Pattern:

SPRH 127 — 4R7 — M  
 Type Inductance code Tolerance: M: ± 20%

N: ± 30%

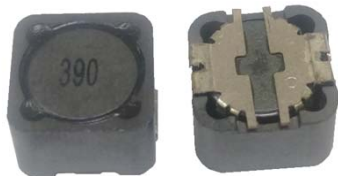


■ Specifications

| Inductance   |    |            | SPRH 127    |             |      |
|--------------|----|------------|-------------|-------------|------|
| TYPE         | uH | Test Freq. | DCR (Ω) Max | IDC (A) MaX |      |
| SPRH 127-1R2 | N  | 1.2        | 100KHz      | 0.0070      | 9.80 |
| SPRH 127-2R4 | N  | 2.4        | 100KHz      | 0.0115      | 8.00 |
| SPRH 127-3R5 | N  | 3.5        | 100KHz      | 0.0135      | 7.50 |
| SPRH 127-4R7 | N  | 4.7        | 100KHz      | 0.0158      | 6.80 |
| SPRH 127-6R1 | N  | 6.1        | 100KHz      | 0.0176      | 6.60 |
| SPRH 127-7R6 | N  | 7.6        | 100KHz      | 0.0200      | 5.90 |
| SPRH 127-100 | M  | 10         | 1KHz        | 0.0216      | 5.40 |
| SPRH 127-120 | M  | 12         | 1KHz        | 0.0243      | 4.90 |
| SPRH 127-150 | M  | 15         | 1KHz        | 0.0270      | 4.50 |
| SPRH 127-180 | M  | 18         | 1KHz        | 0.0392      | 3.90 |
| SPRH 127-220 | M  | 22         | 1KHz        | 0.0432      | 3.60 |
| SPRH 127-270 | M  | 27         | 1KHz        | 0.0459      | 3.40 |
| SPRH 127-330 | M  | 33         | 1KHz        | 0.0648      | 3.00 |
| SPRH 127-390 | M  | 39         | 1KHz        | 0.0729      | 2.75 |
| SPRH 127-470 | M  | 47         | 1KHz        | 0.10        | 2.50 |
| SPRH 127-560 | M  | 56         | 1KHz        | 0.11        | 2.35 |
| SPRH 127-680 | M  | 68         | 1KHz        | 0.14        | 2.10 |
| SPRH 127-820 | M  | 82         | 1KHz        | 0.16        | 1.95 |
| SPRH 127-101 | M  | 100        | 1KHz        | 0.22        | 1.70 |
| SPRH 127-121 | M  | 120        | 1KHz        | 0.25        | 1.60 |
| SPRH 127-151 | M  | 150        | 1KHz        | 0.28        | 1.42 |
| SPRH 127-181 | M  | 180        | 1KHz        | 0.35        | 1.30 |
| SPRH 127-221 | M  | 220        | 1KHz        | 0.39        | 1.16 |
| SPRH 127-271 | M  | 270        | 1KHz        | 0.56        | 1.06 |
| SPRH 127-331 | M  | 330        | 1KHz        | 0.64        | 0.95 |
| SPRH 127-391 | M  | 390        | 1KHz        | 0.70        | 0.88 |
| SPRH 127-471 | M  | 470        | 1KHz        | 0.98        | 0.79 |
| SPRH 127-561 | M  | 560        | 1KHz        | 1.07        | 0.73 |
| SPRH 127-681 | M  | 680        | 1KHz        | 1.46        | 0.67 |
| SPRH 127-821 | M  | 820        | 1KHz        | 1.64        | 0.60 |
| SPRH 127-102 | M  | 1000       | 1KHz        | 1.82        | 0.55 |

■ Notes:

1.Tolerance: M=±20% , N=±30%    2.Operating temperature range:-40~ +125℃    3.PACKAGING: 500Pcs/Reel



■ Features:

- Available in magnetically shielded, Low DC resistance
- Suitable for large currents

■ Applications:

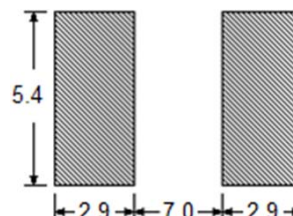
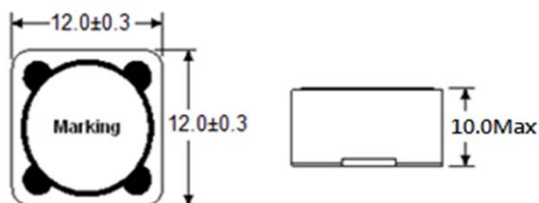
- DC to DC converters for VTR, OA equipment, LCD television set, notebook, portable communication equipments

■ Parts code:

■ Recommended Land Pattern:

SPRH 129 — 4R7 — M  
 Type Inductance code Tolerance: M:  $\pm 20\%$

N:  $\pm 30\%$



■ Specifications

| Inductance    |   |      | SPRH 129   |                         |                |                             |
|---------------|---|------|------------|-------------------------|----------------|-----------------------------|
| TYPE          | N | uH   | Test Freq. | DCR<br>( $\Omega$ ) Max | IDC<br>(A) Max | I <sub>rms</sub><br>(A) Max |
| SPRH 129- 1R0 | N | 1.0  | 100KHz     | 0.0065                  | 19.90          | 11.60                       |
| SPRH 129- 1R8 | N | 1.8  | 100KHz     | 0.0075                  | 13.40          | 11.00                       |
| SPRH 129- 2R5 | N | 2.5  | 100KHz     | 0.0090                  | 12.20          | 10.30                       |
| SPRH 129- 3R5 | N | 3.5  | 100KHz     | 0.0107                  | 12.00          | 8.70                        |
| SPRH 129- 4R7 | N | 4.7  | 100KHz     | 0.0120                  | 10.10          | 8.40                        |
| SPRH 129- 6R8 | N | 6.8  | 100KHz     | 0.0130                  | 8.56           | 7.10                        |
| SPRH 129- 7R5 | N | 7.5  | 100KHz     | 0.0150                  | 8.48           | 6.80                        |
| SPRH 129- 100 | N | 10   | 1KHz       | 0.0180                  | 7.12           | 6.95                        |
| SPRH 129- 120 | M | 12   | 1KHz       | 0.0190                  | 7.04           | 6.20                        |
| SPRH 129- 150 | M | 15   | 1KHz       | 0.0260                  | 5.84           | 5.22                        |
| SPRH 129- 220 | M | 22   | 1KHz       | 0.0290                  | 5.12           | 4.95                        |
| SPRH 129- 330 | M | 33   | 1KHz       | 0.0530                  | 4.25           | 3.60                        |
| SPRH 129- 470 | M | 47   | 1KHz       | 0.0630                  | 3.60           | 3.45                        |
| SPRH 129- 560 | M | 56   | 1KHz       | 0.0680                  | 2.85           | 2.95                        |
| SPRH 129- 680 | M | 68   | 1KHz       | 0.0930                  | 2.76           | 2.85                        |
| SPRH 129- 820 | M | 82   | 1KHz       | 0.0990                  | 2.62           | 2.60                        |
| SPRH 129- 101 | M | 100  | 1KHz       | 0.126                   | 2.31           | 2.45                        |
| SPRH 129- 121 | M | 120  | 1KHz       | 0.154                   | 2.05           | 2.20                        |
| SPRH 129- 151 | M | 150  | 1KHz       | 0.174                   | 1.80           | 1.90                        |
| SPRH 129- 181 | M | 180  | 1KHz       | 0.191                   | 1.66           | 1.86                        |
| SPRH 129- 221 | M | 220  | 1KHz       | 0.246                   | 1.64           | 1.72                        |
| SPRH 129- 331 | M | 330  | 1KHz       | 0.386                   | 1.28           | 1.28                        |
| SPRH 129- 471 | M | 470  | 1KHz       | 0.471                   | 1.06           | 1.25                        |
| SPRH 129- 561 | M | 560  | 1KHz       | 0.650                   | 1.01           | 0.98                        |
| SPRH 129- 681 | M | 680  | 1KHz       | 0.730                   | 0.83           | 0.96                        |
| SPRH 129- 821 | M | 820  | 1KHz       | 0.824                   | 0.81           | 0.94                        |
| SPRH 129- 102 | M | 1000 | 1KHz       | 1.200                   | 0.70           | 0.78                        |
| SPRH 129- 122 | M | 1200 | 1KHz       | 1.330                   | 0.64           | 0.79                        |
| SPRH 129- 152 | M | 1500 | 1KHz       | 1.990                   | 0.56           | 0.58                        |
| SPRH 129- 182 | M | 1800 | 1KHz       | 2.180                   | 0.48           | 0.54                        |
| SPRH 129- 222 | M | 2200 | 1KHz       | 2.580                   | 0.43           | 0.52                        |

■ Notes:

1.Tolerance: M= $\pm 20\%$  , N= $\pm 30\%$       2.Operating temperature range:-40~+125°C      3.PACKAGING: 350Pcs/Reel