



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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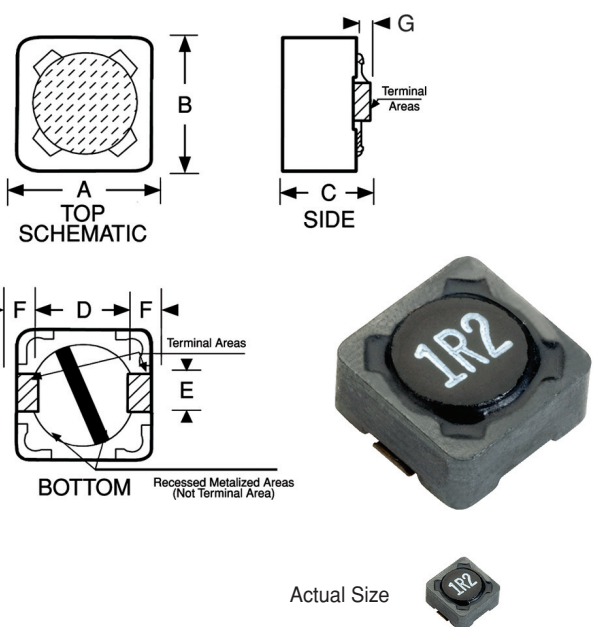
# SERIES

## SPD73R & SPD74R SPD73 & SPD74

### Shielded Surface Mount Inductors



DASH NUMBER\*  
INDUCTANCE (μH) ±20%  
TEST FREQUENCY (kHz)  
DC RESISTANCE MAXIMUM (OHMS)  
CURRENT RATING MAXIMUM (A DC)



#### Physical Parameters

|   | Inches          | Millimeters             |
|---|-----------------|-------------------------|
| A | 0.287 ± .020    | 7.3 ± 0.5               |
| B | 0.287 ± .020    | 7.3 ± 0.5               |
| C | 0.185 Max.      | 4.7 Max. (Series SPD74) |
| C | 0.153 Max.      | 3.9 Max. (Series SPD73) |
| D | 0.200 ± 0.020   | 5.0 ± 0.5               |
| E | 0.088 ± 0.020   | 2.2 ± 0.5               |
| F | 0.042 ± 0.020   | 1.0 ± 0.5               |
| G | 0.015 Ref. only | 0.38 Ref. only          |

**Mechanical Configuration** Units designed for surface mounting; ferrite core and ferrite sleeve

**Operating temperature range** -55°C to +125°C

**Application Frequency Range**  
Values 1.2μH to 10μH to 1.0 MHz Min.  
Values above 10μH to 300 kHz Min.

**Current Rating at 25°C Ambient** The maximum DC current that will cause a 40°C maximum temperature rise and where the inductance will not decrease by more than 10% from its zero DC value

**Marking** For values lower than 10 μH the R indicates a decimal point and the remaining digits indicate the inductance in μH. For values 10 μH and above, the first two digits indicate the inductance in μH and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: SPD73R-122M (1.2 μH)  
1R2

Example: SPD74R-105M (1,000 μH)  
102

**Packaging** Tape & reel (16mm):  
13" reel, 1000 pieces max.; 7" reel not available

| SERIES SPD73 FERRITE CORE & SLEEVE |      |     |       |       |
|------------------------------------|------|-----|-------|-------|
| -122M                              | 1.2  | 100 | 0.020 | 3.40  |
| -242M                              | 2.4  | 100 | 0.032 | 2.69  |
| -352M                              | 3.5  | 100 | 0.035 | 2.60  |
| -472M                              | 4.7  | 100 | 0.050 | 2.15  |
| -682M                              | 6.8  | 100 | 0.065 | 1.90  |
| -103M                              | 10   | 100 | 0.067 | 1.90  |
| -123M                              | 12   | 1.0 | 0.080 | 1.70  |
| -153M                              | 15   | 1.0 | 0.091 | 1.59  |
| -183M                              | 18   | 1.0 | 0.14  | 1.28  |
| -223M                              | 22   | 1.0 | 0.19  | 1.10  |
| -273M                              | 27   | 1.0 | 0.21  | 1.05  |
| -333M                              | 33   | 1.0 | 0.24  | 0.981 |
| -393M                              | 39   | 1.0 | 0.32  | 0.850 |
| -473M                              | 47   | 1.0 | 0.36  | 0.801 |
| -563M                              | 56   | 1.0 | 0.47  | 0.701 |
| -683M                              | 68   | 1.0 | 0.52  | 0.667 |
| -823M                              | 82   | 1.0 | 0.69  | 0.579 |
| -104M                              | 100  | 1.0 | 0.79  | 0.541 |
| -124M                              | 120  | 1.0 | 0.84  | 0.524 |
| -154M                              | 150  | 1.0 | 0.89  | 0.510 |
| -184M                              | 180  | 1.0 | 1.45  | 0.399 |
| -224M                              | 220  | 1.0 | 1.65  | 0.374 |
| -274M                              | 270  | 1.0 | 2.31  | 0.316 |
| -334M                              | 330  | 1.0 | 2.62  | 0.297 |
| -394M                              | 390  | 1.0 | 2.94  | 0.280 |
| -474M                              | 470  | 1.0 | 4.18  | 0.235 |
| -564M                              | 560  | 1.0 | 4.67  | 0.222 |
| -684M                              | 680  | 1.0 | 5.73  | 0.201 |
| -824M                              | 820  | 1.0 | 6.54  | 0.188 |
| -105M                              | 1000 | 1.0 | 9.44  | 0.156 |
| SERIES SPD74 FERRITE CORE & SLEEVE |      |     |       |       |
| -122M                              | 1.2  | 100 | 0.025 | 4.40  |
| -242M                              | 2.4  | 100 | 0.03  | 4.00  |
| -352M                              | 3.5  | 100 | 0.034 | 3.70  |
| -472M                              | 4.7  | 100 | 0.038 | 3.50  |
| -682M                              | 6.8  | 100 | 0.042 | 3.40  |
| -103M                              | 10   | 100 | 0.049 | 2.50  |
| -123M                              | 12   | 1.0 | 0.058 | 2.40  |
| -153M                              | 15   | 1.0 | 0.081 | 2.30  |
| -183M                              | 18   | 1.0 | 0.091 | 2.15  |
| -223M                              | 22   | 1.0 | 0.11  | 2.00  |
| -273M                              | 27   | 1.0 | 0.15  | 1.70  |
| -333M                              | 33   | 1.0 | 0.17  | 1.50  |
| -393M                              | 39   | 1.0 | 0.23  | 1.35  |
| -473M                              | 47   | 1.0 | 0.26  | 1.30  |
| -563M                              | 56   | 1.0 | 0.35  | 1.10  |
| -683M                              | 68   | 1.0 | 0.38  | 1.05  |
| -823M                              | 82   | 1.0 | 0.43  | 1.00  |
| -104M                              | 100  | 1.0 | 0.61  | 0.86  |
| -124M                              | 120  | 1.0 | 0.66  | 0.84  |
| -154M                              | 150  | 1.0 | 0.88  | 0.70  |
| -184M                              | 180  | 1.0 | 0.98  | 0.68  |
| -224M                              | 220  | 1.0 | 1.17  | 0.60  |
| -274M                              | 270  | 1.0 | 1.64  | 0.53  |
| -334M                              | 330  | 1.0 | 1.86  | 0.50  |
| -394M                              | 390  | 1.0 | 2.85  | 0.40  |
| -474M                              | 470  | 1.0 | 3.01  | 0.39  |
| -564M                              | 560  | 1.0 | 3.62  | 0.36  |
| -684M                              | 680  | 1.0 | 4.63  | 0.32  |
| -824M                              | 820  | 1.0 | 5.2   | 0.30  |
| -105M                              | 1000 | 1.0 | 6.0   | 0.28  |

\*Complete part # must include series # PLUS the dash #  
For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)