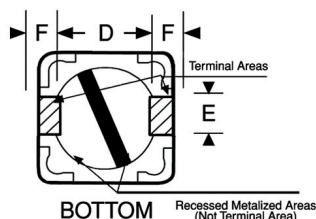
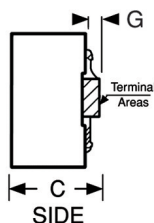
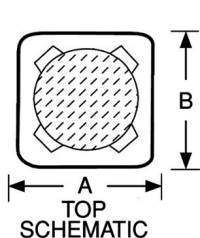


**SERIES****SPD73R & SPD74R  
SPD73 & SPD74**RoHS  
CompliantTraditional  
First Quality**Shielded Surface Mount Inductors**

DASH NUMBER\*

INDUCTANCE ( $\mu$ H)  $\pm 20\%$ 

TEST FREQUENCY (kHz)

DC RESISTANCE  
MAXIMUM (OHMS)CURRENT RATING  
MAXIMUM (A DC)

Actual Size

**Physical Parameters**

|   | Inches            | Millimeters             |
|---|-------------------|-------------------------|
| A | 0.287 $\pm$ .020  | 7.3 $\pm$ 0.5           |
| B | 0.287 $\pm$ .020  | 7.3 $\pm$ 0.5           |
| C | 0.185 Max.        | 4.7 Max. (Series SPD74) |
| C | 0.153 Max.        | 3.9 Max. (Series SPD73) |
| D | 0.200 $\pm$ 0.020 | 5.0 $\pm$ 0.5           |
| E | 0.088 $\pm$ 0.020 | 2.2 $\pm$ 0.5           |
| F | 0.042 $\pm$ 0.020 | 1.0 $\pm$ 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**  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

**Application Frequency Range**

Values 1.2 $\mu$ H to 10 $\mu$ H to 1.0 MHz Min.

Values above 10 $\mu$ H to 300 kHz Min.

**Current Rating at 25 $^{\circ}\text{C}$  Ambient** The maximum DC current that will cause a 40 $^{\circ}\text{C}$  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 H the R indicates a decimal point and the remaining digits indicate the inductance in H. For values 10 H and above, the first two digits indicate the inductance in H 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 H)

1R2

Example: SPD74R-105M (1,000 H)

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)

# Mouser Electronics

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[SPD73R-472MTR](#) [SPD73-122M](#) [SPD73-242M](#) [SPD73-352M](#) [SPD73-472M](#) [SPD73-682M](#) [SPD73-103M](#) [SPD73-123M](#) [SPD73-153M](#) [SPD73-183M](#) [SPD73-223M](#) [SPD73-273M](#) [SPD73-333M](#) [SPD73-393M](#) [SPD73-473M](#) [SPD73-563M](#) [SPD73-683M](#) [SPD73-823M](#) [SPD73-104M](#) [SPD73-124M](#) [SPD73-154M](#) [SPD73-184M](#) [SPD73-224M](#) [SPD73-274M](#) [SPD73-334M](#) [SPD73-394M](#) [SPD73-474M](#) [SPD73-564M](#) [SPD73-684M](#) [SPD73-824M](#) [SPD73-105M](#)  
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