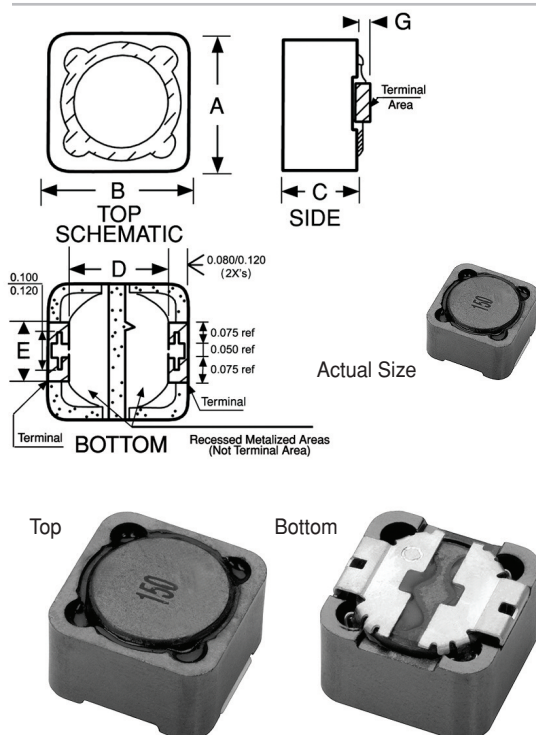


**SERIES****SPD125R & SPD127R  
SPD125 & SPD127****Shielded Surface Mount Inductors**RoHS  
CompliantTraditional  
First Quality

DASH NUMBER\*

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

TEST FREQUENCY (kHz)

DC RESISTANCE  
MAXIMUM (OHMS)CURRENT RATING  
TYPICAL (AMPS)**Physical Parameters**

|   | Inches            | Millimeters              |
|---|-------------------|--------------------------|
| A | 0.472 $\pm$ 0.032 | 12.0 $\pm$ 0.8           |
| B | 0.472 $\pm$ 0.032 | 12.0 $\pm$ 0.8           |
| C | 0.236 Max.        | 6.0 Max. (Series SPD125) |
|   | 0.315 Max.        | 8.0 Max. (Series SPD127) |
| D | 0.300 $\pm$ 0.020 | 7.6 $\pm$ 0.5            |
| E | 0.198 $\pm$ 0.020 | 5.0 $\pm$ 0.5            |
| F | 0.086 $\pm$ 0.020 | 2.18 $\pm$ 0.5           |
| G | 0.015 Ref. only   | 0.38 Ref. only           |
| H | 0.075 Ref. only   | 1.91 Ref. only           |
| I | 0.198 Ref. only   | 5.03 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 2.2 $\mu$ H to 10 $\mu$ H to 1.0 MHz Min.

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

**Current Rating at 25°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  $\mu$ H the R indicates a decimal point and the remaining digits indicate the inductance in  $\mu$ H. For values 10  $\mu$ H and above, the first two digits indicate the inductance in  $\mu$ H and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: SPD125R-222M (2.2  $\mu$ H)  
2R2

Example: SPD127R-105M (1,000  $\mu$ H)  
102

**Packaging** Tape & reel (24mm):

13" reel, 500 pieces max.; 7" reel not available

**SERIES SPD125 FERRITE CORE & SLEEVE**

|       |      |     |       |      |
|-------|------|-----|-------|------|
| -222M | 2.2  | 100 | 0.020 | 7.00 |
| -332M | 3.3  | 100 | 0.030 | 5.50 |
| -472M | 4.7  | 100 | 0.040 | 5.00 |
| -682M | 6.8  | 100 | 0.050 | 4.50 |
| -103M | 10   | 100 | 0.055 | 4.00 |
| -123M | 12   | 1.0 | 0.060 | 3.50 |
| -153M | 15   | 1.0 | 0.065 | 3.30 |
| -183M | 18   | 1.0 | 0.070 | 3.00 |
| -223M | 22   | 1.0 | 0.075 | 2.80 |
| -273M | 27   | 1.0 | 0.085 | 2.30 |
| -333M | 33   | 1.0 | 0.095 | 2.10 |
| -393M | 39   | 1.0 | 0.105 | 2.00 |
| -473M | 47   | 1.0 | 0.115 | 1.80 |
| -563M | 56   | 1.0 | 0.135 | 1.60 |
| -683M | 68   | 1.0 | 0.170 | 1.50 |
| -823M | 82   | 1.0 | 0.190 | 1.40 |
| -104M | 100  | 1.0 | 0.210 | 1.30 |
| -124M | 120  | 1.0 | 0.250 | 1.10 |
| -154M | 150  | 1.0 | 0.300 | 1.00 |
| -184M | 180  | 1.0 | 0.350 | 0.90 |
| -224M | 220  | 1.0 | 0.420 | 0.80 |
| -274M | 270  | 1.0 | 0.510 | 0.75 |
| -334M | 330  | 1.0 | 0.600 | 0.70 |
| -394M | 390  | 1.0 | 0.750 | 0.65 |
| -474M | 470  | 1.0 | 0.820 | 0.60 |
| -564M | 560  | 1.0 | 1.000 | 0.55 |
| -684M | 680  | 1.0 | 1.300 | 0.50 |
| -824M | 820  | 1.0 | 1.650 | 0.45 |
| -105M | 1000 | 1.0 | 2.000 | 0.40 |

**SERIES SPD127 FERRITE CORE & SLEEVE**

|       |      |     |       |      |
|-------|------|-----|-------|------|
| -222M | 2.2  | 100 | 0.015 | 8.50 |
| -332M | 3.3  | 100 | 0.018 | 7.50 |
| -472M | 4.7  | 100 | 0.022 | 6.80 |
| -682M | 6.8  | 100 | 0.030 | 6.20 |
| -103M | 10   | 100 | 0.040 | 5.40 |
| -123M | 12   | 1.0 | 0.045 | 4.90 |
| -153M | 15   | 1.0 | 0.048 | 4.50 |
| -183M | 18   | 1.0 | 0.052 | 3.90 |
| -223M | 22   | 1.0 | 0.055 | 3.60 |
| -273M | 27   | 1.0 | 0.060 | 3.40 |
| -333M | 33   | 1.0 | 0.065 | 3.00 |
| -393M | 39   | 1.0 | 0.080 | 2.80 |
| -473M | 47   | 1.0 | 0.100 | 2.50 |
| -563M | 56   | 1.0 | 0.120 | 2.30 |
| -683M | 68   | 1.0 | 0.140 | 2.10 |
| -823M | 82   | 1.0 | 0.170 | 1.90 |
| -104M | 100  | 1.0 | 0.220 | 1.70 |
| -124M | 120  | 1.0 | 0.250 | 1.60 |
| -154M | 150  | 1.0 | 0.320 | 1.40 |
| -184M | 180  | 1.0 | 0.360 | 1.30 |
| -224M | 220  | 1.0 | 0.390 | 1.20 |
| -274M | 270  | 1.0 | 0.520 | 1.10 |
| -334M | 330  | 1.0 | 0.620 | 1.00 |
| -394M | 390  | 1.0 | 0.750 | 0.90 |
| -474M | 470  | 1.0 | 0.980 | 0.80 |
| -564M | 560  | 1.0 | 1.150 | 0.75 |
| -684M | 680  | 1.0 | 1.220 | 0.70 |
| -824M | 820  | 1.0 | 1.400 | 0.65 |
| -105M | 1000 | 1.0 | 1.540 | 0.62 |

\*Complete part # must include series # PLUS the dash #

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)