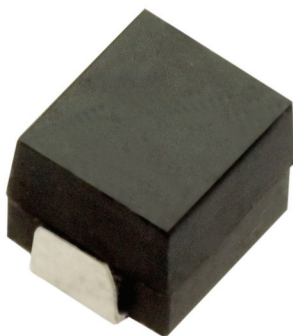
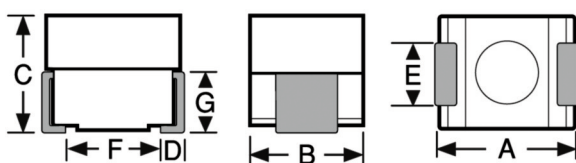


**SERIES****SP1008R  
SP1008****Shielded Surface Mount Power Inductors**

DASH NUMBER\*

INDUCTANCE (μH)  
±10% @ 100 kHzDC RESISTANCE  
MAXIMUM (OHMS)CURRENT RATING  
MAXIMUM (mA)

Actual Size

**Physical Parameters**

|   | Inches            | Millimeters      |
|---|-------------------|------------------|
| A | 0.095 to 0.115    | 2.41 to 2.92     |
| B | 0.085 to 0.105    | 2.16 to 2.66     |
| C | 0.0755 to 0.095   | 1.91 to 2.41     |
| D | 0.010 to 0.030    | 0.26 tp 0.76     |
| E | 0.040 to 0.060    | 1.02 to 1.52     |
| F | 0.060 (Ref. only) | 1.52 (Ref. only) |
| G | 0.045 (Ref. only) | 1.14 (Ref. only) |

Dimensions "A" and "C" are over terminals.

**Operating Temperature Range** -55°C to +125°C**Current Rating at 90°C Ambient** 35°C Rise**Inductance** Measured at 1V with no DC current**Incremental Current** The current at which the inductance will be decreased by a maximum of 5% from its initial 0 ADC value.**Marking** Delevan; dash number followed by SP; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: SP1008-104K

DELEVAN

104 SP

1825A

**Packaging** Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

Coupling 5% Typical (Ref. M83446, 1mm spacing)

**Made In the U.S.A.****SERIES SP1008 FERRITE CORE**

|       |       |       |      |
|-------|-------|-------|------|
| -271K | 0.270 | 0.099 | 1070 |
| -331K | 0.330 | 0.108 | 1030 |
| -391K | 0.390 | 0.118 | 980  |
| -471K | 0.470 | 0.128 | 941  |
| -561K | 0.560 | 0.147 | 878  |
| -681K | 0.680 | 0.157 | 850  |
| -821K | 0.820 | 0.167 | 824  |
| -102K | 1.00  | 0.228 | 705  |
| -122K | 1.20  | 0.252 | 671  |
| -152K | 1.50  | 0.288 | 627  |
| -182K | 1.80  | 0.392 | 538  |
| -222K | 2.20  | 0.437 | 509  |
| -272K | 2.70  | 0.482 | 485  |
| -332K | 3.30  | 0.527 | 465  |
| -392K | 3.90  | 0.739 | 392  |
| -472K | 4.70  | 0.817 | 372  |
| -562K | 5.60  | 0.895 | 356  |
| -682K | 6.80  | 1.43  | 282  |
| -822K | 8.20  | 1.54  | 271  |
| -103K | 10.0  | 1.70  | 258  |
| -123K | 12.0  | 1.87  | 246  |
| -153K | 15.0  | 2.10  | 232  |
| -183K | 18.0  | 2.88  | 198  |
| -223K | 22.0  | 4.02  | 168  |
| -273K | 27.0  | 4.50  | 159  |
| -333K | 33.0  | 4.90  | 152  |
| -393K | 39.0  | 5.30  | 146  |
| -473K | 47.0  | 5.90  | 139  |
| -563K | 56.0  | 6.40  | 133  |
| -683K | 68.0  | 9.00  | 112  |
| -823K | 82.0  | 9.90  | 107  |
| -104K | 100   | 10.9  | 102  |

Optional Tolerances: J = 5% H = 3% G = 2%

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

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