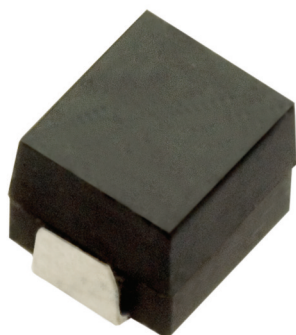
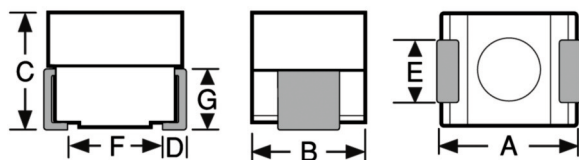


**SERIES****S1008R  
S1008****Shielded Surface Mount Inductors**

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 | 0.075 to 0.095    | 1.91 to 2.41     |
| D | 0.010 to 0.030    | 0.26 to 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.

**Weight Max.** (Grams) 0.1**Operating Temperature Range** -55°C to +125°C**Current Rating at 90°C Ambient** 35°C Rise**Maximum Power Dissipation at 90°C** 0.157 W

**Marking** SMD; S followed by dash number with tolerance letter; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: S1008-471H

SMD  
S471H  
0912A

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

**Made In the U.S.A.**

| DASH NUMBER*              | INDUCTANCE (μH) ±10% | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|---------------------------|----------------------|-----------|----------------------|-------------------|------------------------------|-----------------------------|
| SERIES S1008 FERRITE CORE |                      |           |                      |                   |                              |                             |
| -101K                     | 0.10                 | 40        | 25                   | 383               | 0.09                         | 1120                        |
| -121K                     | 0.12                 | 40        | 25                   | 368               | 0.10                         | 1060                        |
| -151K                     | 0.15                 | 40        | 25                   | 353               | 0.11                         | 1015                        |
| -181K                     | 0.18                 | 40        | 25                   | 338               | 0.12                         | 970                         |
| -221K                     | 0.22                 | 40        | 25                   | 323               | 0.13                         | 930                         |
| -271K                     | 0.27                 | 40        | 25                   | 308               | 0.14                         | 900                         |
| -331K                     | 0.33                 | 40        | 25                   | 293               | 0.15                         | 865                         |
| -391K                     | 0.39                 | 40        | 25                   | 278               | 0.16                         | 840                         |
| -471K                     | 0.47                 | 40        | 25                   | 255               | 0.17                         | 815                         |
| -561K                     | 0.56                 | 40        | 25                   | 232               | 0.18                         | 790                         |
| -621K                     | 0.62                 | 40        | 25                   | 200               | 0.19                         | 770                         |
| -681K                     | 0.68                 | 40        | 25                   | 186               | 0.20                         | 750                         |
| -751K                     | 0.75                 | 40        | 25                   | 163               | 0.21                         | 735                         |
| -821K                     | 0.82                 | 40        | 25                   | 140               | 0.22                         | 715                         |
| -911K                     | 0.91                 | 40        | 25                   | 130               | 0.24                         | 685                         |
| -102K                     | 1.0                  | 30        | 7.9                  | 120               | 0.25                         | 670                         |
| -122K                     | 1.2                  | 30        | 7.9                  | 95                | 0.29                         | 625                         |
| -152K                     | 1.5                  | 30        | 7.9                  | 72                | 0.42                         | 545                         |
| -182K                     | 1.8                  | 30        | 7.9                  | 66                | 0.60                         | 435                         |
| -222K                     | 2.2                  | 30        | 7.9                  | 60                | 0.80                         | 375                         |
| -272K                     | 2.7                  | 30        | 7.9                  | 55                | 0.85                         | 365                         |
| -332K                     | 3.3                  | 30        | 7.9                  | 50                | 0.90                         | 355                         |
| -392K                     | 3.9                  | 30        | 7.9                  | 45                | 1.00                         | 335                         |
| -472K                     | 4.7                  | 30        | 7.9                  | 42                | 1.20                         | 305                         |
| -562K                     | 5.6                  | 30        | 7.9                  | 40                | 1.30                         | 295                         |
| -682K                     | 6.8                  | 30        | 7.9                  | 38                | 1.80                         | 250                         |
| -822K                     | 8.2                  | 30        | 7.9                  | 32                | 1.90                         | 240                         |
| -103K                     | 10                   | 30        | 7.9                  | 29                | 2.10                         | 230                         |
| -123K                     | 12                   | 30        | 2.5                  | 28                | 3.50                         | 220                         |
| -153K                     | 15                   | 30        | 2.5                  | 25                | 4.00                         | 210                         |
| -183K                     | 18                   | 30        | 2.5                  | 21                | 5.00                         | 200                         |
| -223K                     | 22                   | 30        | 2.5                  | 18                | 6.00                         | 170                         |
| -273K                     | 27                   | 30        | 2.5                  | 15                | 7.00                         | 160                         |
| -333K                     | 33                   | 30        | 2.5                  | 12                | 7.40                         | 125                         |
| -393K                     | 39                   | 30        | 2.5                  | 10                | 8.00                         | 120                         |
| -473K                     | 47                   | 30        | 2.5                  | 8                 | 9.00                         | 110                         |

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

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

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

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