

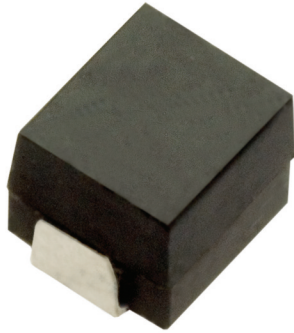
**SERIES**

**S1008R**  
**S1008**

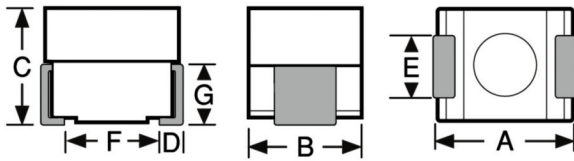


**Shielded Surface Mount Inductors**

INDUCTANCE (μH) ±10%  
TEST FREQUENCY (MHz)  
SRF MINIMUM (MHz)  
DC RESISTANCE MAXIMUM (OHMS)  
CURRENT RATING MAXIMUM (mA)  
DASH NUMBER\*  
Q MINIMUM



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.**

| 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)

