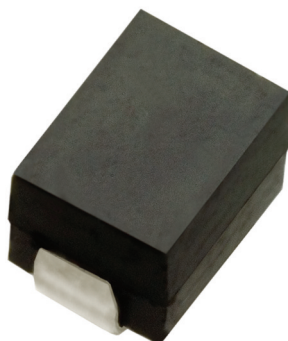
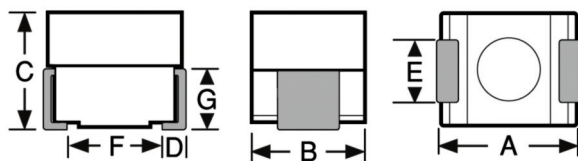


**SERIES****S1210R**  
**S1210****Shielded Surface Mount Inductors**

Actual Size

**Physical Parameters**

|   | Inches            | Millimeters      |
|---|-------------------|------------------|
| A | 0.118 to 0.138    | 3.00 to 3.51     |
| B | 0.085 to 0.105    | 2.16 to 2.66     |
| C | 0.081 to 0.101    | 2.06 to 2.57     |
| D | 0.016 Min.        | 0.41 Min.        |
| E | 0.041 to .061     | 1.04 to 1.55     |
| F | 0.070 (Ref. only) | 1.78 (Ref. only) |
| G | 0.054 (Ref. only) | 1.37 (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**

Iron: 0.266 W

Ferrite: 0.224 W

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

Example: S1210R-471K

DELEVAN

471 S

R 1812B

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

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

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

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

| DASH NUMBER*                     | INDUCTANCE ( $\mu$ H) $\pm 10\%$ | TEST FREQUENCY (MHz) | Q MINIMUM | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|----------------------------------|----------------------------------|----------------------|-----------|-------------------|------------------------------|-----------------------------|
| <b>SERIES S1210 IRON CORE</b>    |                                  |                      |           |                   |                              |                             |
| -101K                            | 0.10                             | 40                   | 25        | 375               | 0.15                         | 1131                        |
| -121K                            | 0.12                             | 40                   | 25        | 350               | 0.17                         | 1062                        |
| -151K                            | 0.15                             | 40                   | 25        | 330               | 0.20                         | 979                         |
| -181K                            | 0.18                             | 40                   | 25        | 310               | 0.22                         | 934                         |
| -221K                            | 0.22                             | 40                   | 25        | 300               | 0.25                         | 876                         |
| -271K                            | 0.27                             | 40                   | 25        | 290               | 0.30                         | 800                         |
| -331K                            | 0.33                             | 40                   | 25        | 255               | 0.35                         | 740                         |
| -391K                            | 0.39                             | 40                   | 25        | 230               | 0.40                         | 692                         |
| -471K                            | 0.47                             | 40                   | 25        | 220               | 0.45                         | 653                         |
| -561K                            | 0.56                             | 40                   | 25        | 200               | 0.50                         | 619                         |
| -681K                            | 0.68                             | 40                   | 25        | 180               | 0.55                         | 590                         |
| -821K                            | 0.82                             | 40                   | 25        | 170               | 0.60                         | 565                         |
| <b>SERIES S1210 FERRITE CORE</b> |                                  |                      |           |                   |                              |                             |
| -102K                            | 1.0                              | 40                   | 7.9       | 140               | 0.40                         | 635                         |
| -122K                            | 1.2                              | 40                   | 7.9       | 120               | 0.49                         | 574                         |
| -152K                            | 1.5                              | 40                   | 7.9       | 110               | 0.57                         | 532                         |
| -182K                            | 1.8                              | 40                   | 7.9       | 95                | 0.65                         | 498                         |
| -222K                            | 2.2                              | 40                   | 7.9       | 80                | 0.73                         | 470                         |
| -272K                            | 2.7                              | 40                   | 7.9       | 70                | 0.75                         | 464                         |
| -332K                            | 3.3                              | 40                   | 7.9       | 45                | 0.80                         | 449                         |
| -392K                            | 3.9                              | 40                   | 7.9       | 42                | 0.83                         | 441                         |
| -472K                            | 4.7                              | 40                   | 7.9       | 40                | 1.00                         | 402                         |
| -562K                            | 5.6                              | 40                   | 7.9       | 38                | 1.30                         | 352                         |
| -682K                            | 6.8                              | 40                   | 7.9       | 35                | 1.50                         | 328                         |
| -822K                            | 8.2                              | 40                   | 7.9       | 32                | 1.70                         | 308                         |
| -103K                            | 10.0                             | 40                   | 2.5       | 28                | 1.90                         | 291                         |
| -123K                            | 12.0                             | 40                   | 2.5       | 25                | 2.10                         | 277                         |
| -153K                            | 15.0                             | 40                   | 2.5       | 23                | 2.50                         | 254                         |
| -183K                            | 18.0                             | 40                   | 2.5       | 21                | 2.80                         | 240                         |
| -223K                            | 22.0                             | 40                   | 2.5       | 19                | 3.00                         | 232                         |
| -273K                            | 27.0                             | 40                   | 2.5       | 16                | 4.00                         | 201                         |
| -333K                            | 33.0                             | 40                   | 2.5       | 14                | 4.50                         | 189                         |
| -393K                            | 39.0                             | 40                   | 2.5       | 12                | 5.00                         | 179                         |
| -473K                            | 47.0                             | 40                   | 2.5       | 10                | 5.50                         | 171                         |
| -563K                            | 56.0                             | 40                   | 2.5       | 8                 | 6.30                         | 160                         |
| -683K                            | 68.0                             | 40                   | 2.5       | 8                 | 7.00                         | 152                         |
| -823K                            | 82.0                             | 40                   | 2.5       | 8                 | 8.50                         | 137                         |
| -104K                            | 100.0                            | 40                   | 2.5       | 8                 | 10.00                        | 127                         |

For more detailed graphs, contact factory

