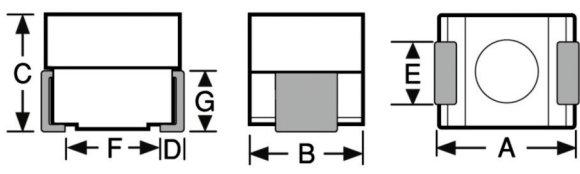


**Shielded Surface Mount Inductors**

DASH NUMBER\*  
 INDUCTANCE ( $\mu\text{H}$ )  $\pm 10\%$   
 TEST FREQUENCY (MHz)  
 Q MINIMUM  
 SRF MINIMUM (MHz)  
 DC RESISTANCE MAXIMUM (OHMS)  
 CURRENT RATING MAXIMUM (mA)



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**  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

**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

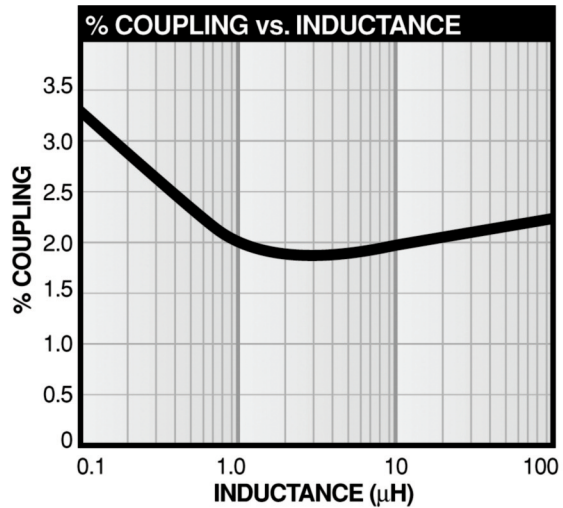
**Packaging** Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

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

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%  
 \*Complete part # must include series # PLUS the dash #

| SERIES S1210 IRON CORE    |       |    |     |     |       |      |
|---------------------------|-------|----|-----|-----|-------|------|
| -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  |
| SERIES S1210 FERRITE CORE |       |    |     |     |       |      |
| -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



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