

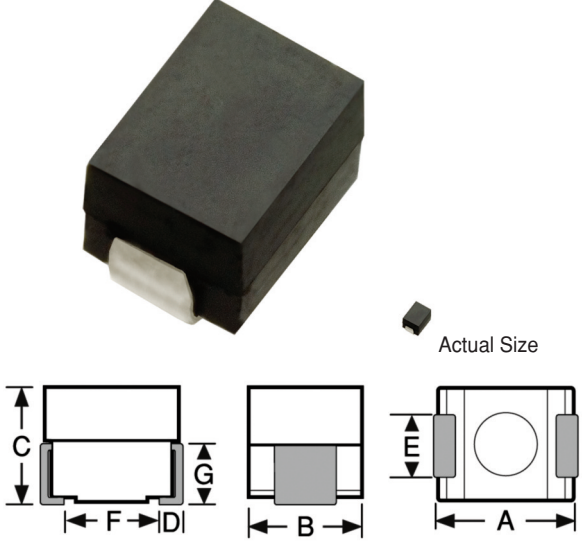
SERIES

S1210R
S1210

RoHS
Compliant
Traditional
First Quality

Shielded Surface Mount Inductors

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



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

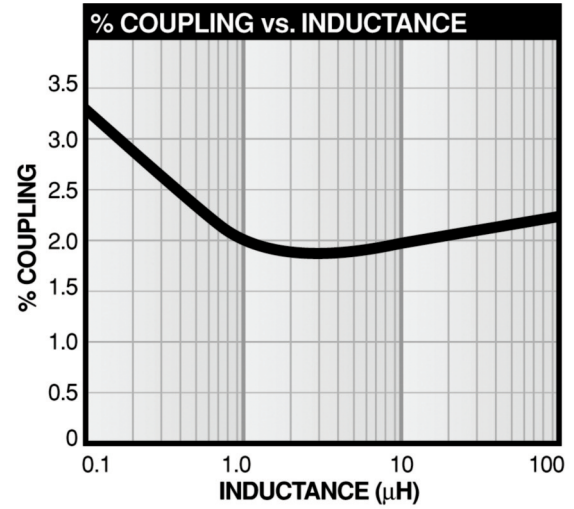
Example: S1210R-471K
SMD
S471K
R 0912B

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

Made In the U.S.A.

| 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



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