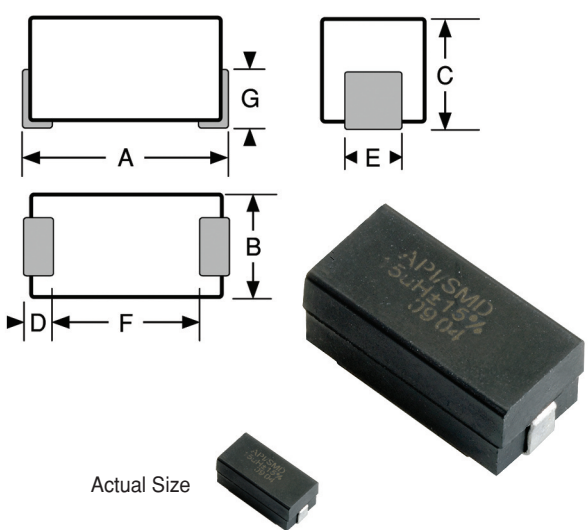


SERIES

S4924R
S4924



Shielded Surface Mount Inductors



Physical Parameters

| | Inches | Millimeters |
|---|-------------------|------------------|
| A | 0.490 to 0.520 | 12.44 to 13.21 |
| B | 0.230 to 0.250 | 5.84 to 6.35 |
| C | 0.210 to 0.230 | 5.33 to 5.84 |
| D | 0.050 Min. | 1.27 Min. |
| E | 0.055 to 0.095 | 1.397 to 2.413 |
| F | 0.330 (Ref. only) | 8.38 (Ref. only) |
| G | 0.120 (Ref. only) | 3.04 (Ref. only) |

Mechanical Configuration

Units are encapsulated in an epoxy molded surface mount package

Operating Temperature Range

-55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.385 W

Incremental Current Current which causes a max. of 5% change in Inductance

Dielectric Withstanding Voltage 1000V RMS Min.

Inductance Tolerance Tolerance is specified by suffixing an alpha character to the part number as follows: H = 3% and J = 5%. Units are normally supplied to the tolerance indicated in table.

Coupling 3% Max.

Marking Delevan; S4924; dash number; date code (YYWWL).

Note: An R before the date code indicates a RoHS component.
Example: S4924-184J

DELEVAN
S4924
184
0226B

Packaging Tape & reel (24mm): 13" reel, 800 pieces max.; 7" reel not available

Made In the U.S.A.

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

| SERIES S4924 PHENOLIC CORE - IRON SLEEVE | | | | | | | | |
|--|---------|----|-------|------|-------|------|------|--|
| -101K | 0.10 | 50 | 25.0 | 450 | 0.025 | 3900 | 3900 | |
| -121K | 0.12 | 50 | 25.0 | 425 | 0.034 | 3345 | 3345 | |
| -151K | 0.15 | 50 | 25.0 | 400 | 0.037 | 3195 | 3195 | |
| -181K | 0.18 | 50 | 25.0 | 350 | 0.047 | 2835 | 2835 | |
| -221K | 0.22 | 49 | 25.0 | 325 | 0.067 | 2385 | 2385 | |
| -271K | 0.27 | 47 | 25.0 | 300 | 0.11 | 1855 | 1855 | |
| -331K | 0.33 | 46 | 25.0 | 275 | 0.13 | 1705 | 1705 | |
| -391K | 0.39 | 44 | 25.0 | 250 | 0.18 | 1450 | 1450 | |
| -471K | 0.47 | 44 | 25.0 | 235 | 0.25 | 1235 | 1235 | |
| -561K | 0.56 | 43 | 25.0 | 210 | 0.33 | 1075 | 1075 | |
| -681K | 0.68 | 42 | 25.0 | 190 | 0.45 | 915 | 915 | |
| -821K | 0.82 | 40 | 25.0 | 180 | 0.59 | 800 | 800 | |
| SERIES S4924 IRON CORE - IRON SLEEVE | | | | | | | | |
| -102K | 1.00 | 44 | 25.0 | 140 | 0.07 | 2320 | 2320 | |
| -122K | 1.20 | 44 | 7.9 | 130 | 0.10 | 1920 | 1920 | |
| -152K | 1.50 | 44 | 7.9 | 115 | 0.12 | 1780 | 1780 | |
| -182K | 1.80 | 44 | 7.9 | 105 | 0.14 | 1650 | 1650 | |
| -222K | 2.20 | 44 | 7.9 | 100 | 0.19 | 1420 | 1420 | |
| -272K | 2.70 | 44 | 7.9 | 92 | 0.28 | 1160 | 1160 | |
| -332K | 3.30 | 44 | 7.9 | 85 | 0.35 | 1045 | 1045 | |
| -392K | 3.90 | 44 | 7.9 | 75 | 0.40 | 970 | 970 | |
| -472K | 4.70 | 44 | 7.9 | 70 | 0.55 | 830 | 830 | |
| -562K | 5.60 | 44 | 7.9 | 65 | 0.72 | 725 | 725 | |
| -682K | 6.80 | 50 | 7.9 | 55 | 1.02 | 610 | 610 | |
| -822K | 8.20 | 50 | 7.9 | 50 | 1.32 | 535 | 535 | |
| -103K | 10.0 | 50 | 7.9 | 46 | 1.62 | 485 | 485 | |
| -123K | 12.0 | 55 | 2.5 | 44 | 2.0 | 440 | 440 | |
| SERIES S4924 FERRITE CORE - FERRITE SLEEVE | | | | | | | | |
| -153K | 15.0 | 45 | 2.5 | 49 | 0.8 | 618 | 300 | |
| -183K | 18.0 | 45 | 2.5 | 45 | 0.89 | 580 | 250 | |
| -223K | 22.0 | 45 | 2.5 | 41 | 0.96 | 561 | 210 | |
| -273K | 27.0 | 45 | 2.5 | 38 | 1.19 | 504 | 195 | |
| -333K | 33.0 | 45 | 2.5 | 34 | 1.37 | 471 | 160 | |
| -393K | 39.0 | 50 | 2.5 | 29 | 1.93 | 397 | 150 | |
| -473K | 47.0 | 50 | 2.5 | 27 | 2.11 | 380 | 135 | |
| -563K | 56.0 | 50 | 2.5 | 25 | 2.23 | 369 | 124 | |
| -683K | 68.0 | 50 | 2.5 | 21 | 2.70 | 355 | 122 | |
| -823K | 82.0 | 50 | 2.5 | 10.5 | 2.44 | 342 | 120 | |
| -104K | 100.0 | 50 | 2.5 | 10.0 | 3.12 | 312 | 113 | |
| -124K | 120.0 | 55 | 0.79 | 9.7 | 3.6 | 291 | 98 | |
| -154K | 150.0 | 55 | 0.79 | 8.5 | 4.1 | 272 | 84 | |
| -184K | 180.0 | 55 | 0.79 | 8.0 | 4.4 | 263 | 76 | |
| -224K | 220.0 | 55 | 0.79 | 7.5 | 5.0 | 247 | 67 | |
| -274K | 270.0 | 55 | 0.79 | 7.0 | 5.8 | 228 | 60 | |
| -334K | 330.0 | 55 | 0.79 | 6.5 | 6.4 | 218 | 55 | |
| -394K | 390.0 | 60 | 0.79 | 6.2 | 7.4 | 203 | 46 | |
| -474K | 470.0 | 60 | 0.79 | 5.7 | 9.5 | 178 | 43 | |
| -564K | 560.0 | 60 | 0.79 | 4.7 | 10.5 | 171 | 40 | |
| -684K | 680.0 | 60 | 0.79 | 4.5 | 11.8 | 160 | 38 | |
| -824K | 820.0 | 60 | 0.79 | 4.2 | 13.0 | 152 | 33 | |
| -105K | 1000.0 | 60 | 0.79 | 3.8 | 17.5 | 134 | 29 | |
| -125K | 1200.0 | 50 | 0.25 | 3.0 | 22.1 | 120 | 28 | |
| -155K | 1500.0 | 50 | 0.25 | 2.8 | 26.5 | 115 | 27 | |
| -185K | 1800.0 | 50 | 0.25 | 2.6 | 29.9 | 110 | 24 | |
| -225K | 2200.0 | 50 | 0.25 | 2.4 | 33.8 | 104 | 22 | |
| -275K | 2700.0 | 50 | 0.25 | 2.2 | 47.3 | 88 | 20 | |
| -335K | 3300.0 | 50 | 0.25 | 2.0 | 53.0 | 85 | 19 | |
| -395K | 3900.0 | 50 | 0.25 | 1.9 | 73.8 | 72 | 17 | |
| -475K | 4700.0 | 50 | 0.25 | 1.7 | 81.6 | 68 | 15 | |
| -565K | 5600.0 | 50 | 0.25 | 1.6 | 98.9 | 61 | 14 | |
| -685K | 6800.0 | 50 | 0.25 | 1.4 | 111.0 | 59 | 13 | |
| -825K | 8200.0 | 50 | 0.25 | 1.2 | 119.0 | 57 | 12 | |
| -106K | 10000.0 | 50 | 0.25 | 1.0 | 137.0 | 54 | 11 | |
| -126K | 12000.0 | 30 | 0.079 | 0.80 | 143.0 | 50 | 9 | |
| -156K | 15000.0 | 30 | 0.079 | 0.60 | 157.0 | 48 | 8 | |
| -186K | 18000.0 | 30 | 0.079 | 0.55 | 225.0 | 46 | 7 | |
| -226K | 22000.0 | 27 | 0.079 | 0.50 | 274.0 | 37 | 7 | |
| -276K | 27000.0 | 27 | 0.079 | 0.40 | 308.0 | 35 | 7 | |

Optional Tolerances: J = 5% H = 3%

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

For surface finish information, refer to www.delevanfinishes.com