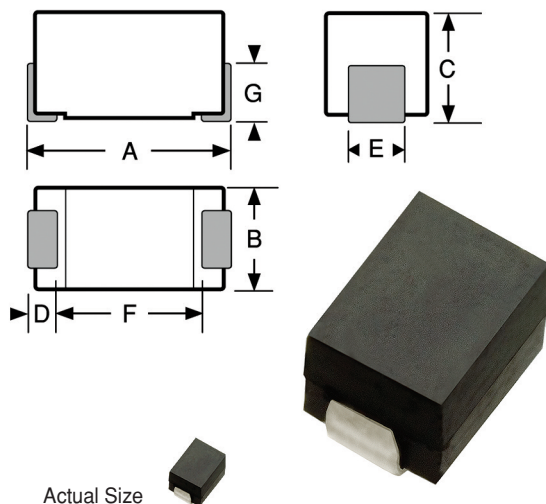


**SERIES****1330R**  
**1330**RoHS  
CompliantTraditional  
First Quality**Unshielded Surface Mount Inductors****Physical Parameters**

|   | Inches            | Millimeters      |
|---|-------------------|------------------|
| A | 0.300 to 0.325    | 7.62 to 8.26     |
| B | 0.105 to 0.125    | 2.67 to 3.18     |
| C | 0.125 to 0.145    | 3.18 to 3.68     |
| D | 0.020 Min.        | 0.508 Min.       |
| E | 0.040 to 0.060    | 1.02 to 1.52     |
| F | 0.190 (Ref. only) | 4.83 (Ref. only) |
| G | 0.070 (Ref. only) | 1.78 (Ref. only) |

**Weight Max (Grams)** 0.30**Operating Temperature Range**

Phenolic: -55°C to +125°C

Iron and Ferrite: -55°C to +105°C

**Current Rating at 90°C Ambient**

Phenolic: 35°C Rise

Iron and Ferrite: 15°C Rise

**Maximum Power Dissipation at 90°C Ambient**

Phenolic: 0.210 W

Iron: 0.090 W

Ferrite: 0.073 W

**Marking** API/SMD; inductance with units and tolerance;  
date code (YYWWL). Note: An R before the date code  
indicates a RoHS component.

Example: 1330-42K

API/SMD

8.2uH±10%

0218A

**Packaging** Tape & reel (16mm): 7" reel, 500 pieces max.;  
13" reel, 2200 pieces max.

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

| DASH NUMBER*              | INDUCTANCE (uH) ±10% | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |      |
|---------------------------|----------------------|----------------------|-------------------|------------------------------|-----------------------------|------|
| SERIES 1330 PHENOLIC CORE |                      |                      |                   |                              |                             |      |
| -94K                      | 0.10                 | 40                   | 25.0              | 680.0                        | 0.08                        | 1380 |
| -96K                      | 0.12                 | 40                   | 25.0              | 640.0                        | 0.09                        | 1300 |
| -00K                      | 0.15                 | 38                   | 25.0              | 600.0                        | 0.10                        | 1230 |
| -02K                      | 0.18                 | 35                   | 25.0              | 550.0                        | 0.12                        | 1120 |
| -04K                      | 0.22                 | 33                   | 25.0              | 510.0                        | 0.14                        | 1040 |
| -06K                      | 0.27                 | 33                   | 25.0              | 430.0                        | 0.16                        | 975  |
| -08K                      | 0.33                 | 30                   | 25.0              | 410.0                        | 0.22                        | 830  |
| -10K                      | 0.39                 | 30                   | 25.0              | 365.0                        | 0.30                        | 710  |
| -12K                      | 0.47                 | 30                   | 25.0              | 330.0                        | 0.35                        | 660  |
| -14K                      | 0.56                 | 30                   | 25.0              | 300.0                        | 0.50                        | 550  |
| -16K                      | 0.68                 | 28                   | 25.0              | 275.0                        | 0.60                        | 500  |
| -18K                      | 0.82                 | 28                   | 25.0              | 250.0                        | 0.85                        | 420  |
| -20K                      | 1.00                 | 25                   | 25.0              | 230.0                        | 1.00                        | 390  |
| SERIES 1330 IRON CORE     |                      |                      |                   |                              |                             |      |
| -22K                      | 1.20                 | 25                   | 7.9               | 150.0                        | 0.18                        | 620  |
| -24K                      | 1.50                 | 28                   | 7.9               | 140.0                        | 0.22                        | 560  |
| -26K                      | 1.80                 | 30                   | 7.9               | 125.0                        | 0.30                        | 480  |
| -28K                      | 2.20                 | 30                   | 7.9               | 115.0                        | 0.40                        | 415  |
| -30K                      | 2.70                 | 37                   | 7.9               | 100.0                        | 0.55                        | 355  |
| -32K                      | 3.30                 | 45                   | 7.9               | 90.0                         | 0.85                        | 285  |
| -34K                      | 3.90                 | 45                   | 7.9               | 80.0                         | 1.00                        | 263  |
| -36K                      | 4.70                 | 45                   | 7.9               | 75.0                         | 1.20                        | 239  |
| -38K                      | 5.60                 | 50                   | 7.9               | 65.0                         | 1.80                        | 195  |
| -40K                      | 6.80                 | 50                   | 7.9               | 60.0                         | 2.00                        | 185  |
| -42K                      | 8.20                 | 55                   | 7.9               | 55.0                         | 2.70                        | 160  |
| -44K                      | 10.00                | 55                   | 7.9               | 50.0                         | 3.30                        | 144  |
| -46K                      | 12.0                 | 45                   | 2.5               | 40.0                         | 2.70                        | 160  |
| -48K                      | 15.0                 | 45                   | 2.5               | 35.0                         | 2.80                        | 157  |
| -50K                      | 18.0                 | 45                   | 2.5               | 30.0                         | 3.10                        | 149  |
| -52K                      | 22.0                 | 45                   | 2.5               | 25.0                         | 3.30                        | 144  |
| -54K                      | 27.0                 | 45                   | 2.5               | 20.0                         | 3.50                        | 140  |
| SERIES 1330 FERRITE CORE  |                      |                      |                   |                              |                             |      |
| -56K                      | 33.0                 | 35                   | 2.5               | 24.0                         | 3.40                        | 130  |
| -58K                      | 39.0                 | 35                   | 2.5               | 22.0                         | 3.60                        | 125  |
| -60K                      | 47.0                 | 35                   | 2.5               | 20.0                         | 4.50                        | 110  |
| -62K                      | 56.0                 | 35                   | 2.5               | 18.0                         | 5.70                        | 100  |
| -64K                      | 68.0                 | 35                   | 2.5               | 15.0                         | 6.70                        | 92   |
| -66K                      | 82.0                 | 35                   | 2.5               | 14.0                         | 7.30                        | 88   |
| -68K                      | 100.0                | 35                   | 2.5               | 13.0                         | 8.00                        | 84   |
| -70K                      | 120.0                | 30                   | 0.79              | 12.0                         | 13.00                       | 66   |
| -72K                      | 150.0                | 30                   | 0.79              | 11.0                         | 15.00                       | 61   |
| -74K                      | 180.0                | 30                   | 0.79              | 10.0                         | 17.00                       | 57   |
| -76K                      | 220.0                | 30                   | 0.79              | 9.0                          | 21.00                       | 52   |
| -78K                      | 270.0                | 30                   | 0.79              | 8.0                          | 25.00                       | 47   |
| -80K                      | 330.0                | 30                   | 0.79              | 7.0                          | 28.00                       | 45   |
| -82K                      | 390.0                | 30                   | 0.79              | 6.5                          | 35.00                       | 40   |
| -84K                      | 470.0                | 30                   | 0.79              | 6.0                          | 42.00                       | 36   |
| -86K                      | 560.0                | 30                   | 0.79              | 5.0                          | 46.00                       | 35   |
| -88K                      | 680.0                | 30                   | 0.79              | 4.2                          | 60.00                       | 30   |
| -90K                      | 820.0                | 30                   | 0.79              | 3.8                          | 65.00                       | 29   |
| -92K                      | 1000.0               | 30                   | 0.79              | 3.4                          | 72.00                       | 28   |

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)