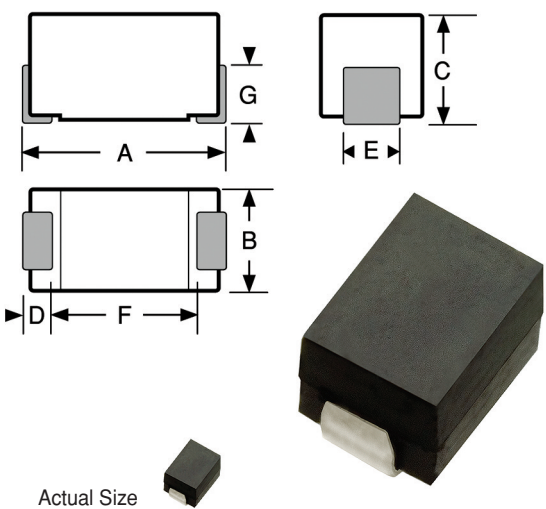


SERIES

**1330R
1330**



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 Delevan; dash number; date code (YYWWL).

Note: An R before the date code indicates a RoHS component.

Example: 1330-42K
DELEVAN
42
1818A

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

Made In the U.S.A.

| DASH NUMBER* | INDUCTANCE (µH) ±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 #

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