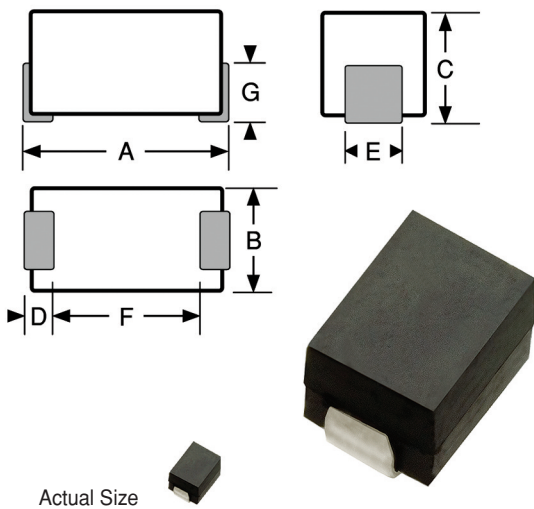


SERIES

**2512R
2512**

RoHS
Compliant
Traditional
First Quality

Surface Mount Power Inductors



Physical Parameters

| | Inches | Millimeters |
|---|-------------------|------------------|
| A | 0.235 to 0.255 | 5.97 to 6.48 |
| B | 0.085 to 0.105 | 2.16 to 2.67 |
| C | 0.090 to 0.110 | 2.29 to 2.79 |
| D | 0.060 to 0.080 | 1.52 to 2.03 |
| E | 0.035 to 0.055 | 0.89 to 1.40 |
| F | 0.100 (Ref. only) | 2.54 (Ref. only) |
| G | 0.058 (Ref. only) | 1.47 (Ref. only) |

Dimensions "A" and "C" are over terminals

Operating Temperature Range -55°C to +125°C

Maximum Power Dissipation at 60°C 0.56 W

Note Current rating is based on 60°C ambient and 125°C max. operating temperature. The Incremental Current is the current which causes a maximum change of inductance of 10%.

Marking Delevan; HC followed by the dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 2512-102K
DELEVAN
HC102
0845A

Packaging Tape & reel (12mm):
7" reel, 750 pieces max.; 13" reel, 2700 pieces max.

Made In the U.S.A.

| DASH NUMBER* | INDUCTANCE (µH) ±10% | TEST FREQUENCY (MHZ) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) | INCREMENTAL CURRENT DC (mA) |
|--------------|----------------------|----------------------|------------------------------|-----------------------------|-----------------------------|
|--------------|----------------------|----------------------|------------------------------|-----------------------------|-----------------------------|

| SERIES 2512 FERRITE CORE | | | | | |
|--------------------------|-------|-----|------|------|------|
| -102K | 1.0 | 7.9 | 0.15 | 1640 | 1230 |
| -122K | 1.2 | 7.9 | 0.21 | 1390 | 1040 |
| -152K | 1.5 | 7.9 | 0.27 | 1220 | 920 |
| -182K | 1.8 | 7.9 | 0.29 | 1180 | 890 |
| -222K | 2.2 | 7.9 | 0.40 | 1000 | 750 |
| -272K | 2.7 | 7.9 | 0.54 | 865 | 649 |
| -332K | 3.3 | 7.9 | 0.75 | 734 | 551 |
| -392K | 3.9 | 7.9 | 0.82 | 702 | 527 |
| -472K | 4.7 | 7.9 | 1.0 | 636 | 477 |
| -562K | 5.6 | 7.9 | 1.1 | 606 | 455 |
| -682K | 6.8 | 7.9 | 1.2 | 580 | 435 |
| -822K | 8.2 | 7.9 | 1.3 | 557 | 418 |
| -103K | 10.0 | 7.9 | 1.5 | 519 | 389 |
| -123K | 12.0 | 2.5 | 1.6 | 503 | 377 |
| -153K | 15.0 | 2.5 | 1.8 | 474 | 355 |
| -183K | 18.0 | 2.5 | 2.6 | 394 | 296 |
| -223K | 22.0 | 2.5 | 3.5 | 340 | 255 |
| -273K | 27.0 | 2.5 | 3.7 | 330 | 248 |
| -333K | 33.0 | 2.5 | 3.8 | 326 | 245 |
| -393K | 39.0 | 2.5 | 3.9 | 322 | 242 |
| -473K | 47.0 | 2.5 | 4.2 | 310 | 233 |
| -563K | 56.0 | 2.5 | 4.6 | 296 | 222 |
| -683K | 68.0 | 2.5 | 5.1 | 281 | 211 |
| -823K | 82.0 | 2.5 | 5.6 | 278 | 209 |
| -104K | 100.0 | 2.5 | 6.0 | 260 | 195 |

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

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