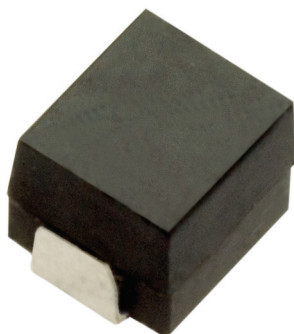
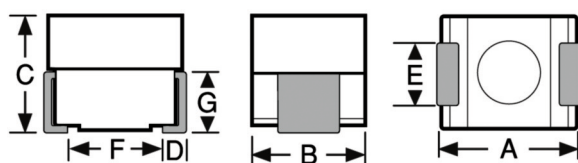


**SERIES****HF1008R**  
**HF1008****Unshielded Surface Mount Inductors**

Actual Size

**Physical Parameters**

|   | Inches            | Millimeters      |
|---|-------------------|------------------|
| A | 0.095 to 0.115    | 2.41 to 2.92     |
| B | 0.085 to 0.105    | 2.16 to 2.66     |
| C | 0.075 to 0.095    | 1.91 to 2.41     |
| D | 0.010 to 0.030    | 0.26 to 0.76     |
| E | 0.040 to 0.060    | 1.02 to 1.52     |
| F | 0.060 (Ref. only) | 1.52 (Ref. only) |
| G | 0.045 (Ref. only) | 1.14 (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**

Non-magnetic: 0.169 W

Ferrite: 0.208 W

Note Consult factory for custom applications

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

Example: HF1008-472G

SMD

HF472G

0819B

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

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

DASH NUMBER\*  
INDUCTANCE (nH)  
TOLERANCE  
TEST FREQUENCY (MHz)  
Q MINIMUM  
SRF MINIMUM (MHz)  
MAXIMUM (OHMS)  
DC RESISTANCE  
CURRENT RATING  
MAXIMUM (mA)

**SERIES HF1008 NON-MAGNETIC CORE**

|       |      |      |    |    |       |       |      |
|-------|------|------|----|----|-------|-------|------|
| -047M | 4.7  | ±20% | 40 | 50 | >3000 | 0.070 | 1320 |
| -082M | 8.2  | ±20% | 40 | 50 | >3000 | 0.075 | 1275 |
| -100M | 10.0 | ±20% | 30 | 50 | >3000 | 0.080 | 1235 |
| -120M | 12.0 | ±20% | 30 | 50 | 2700  | 0.105 | 1075 |
| -150M | 15.0 | ±20% | 30 | 50 | 2400  | 0.110 | 1053 |
| -180M | 18.0 | ±20% | 30 | 50 | 2250  | 0.130 | 965  |
| -220M | 22.0 | ±20% | 30 | 50 | 2000  | 0.135 | 950  |
| -270M | 27.0 | ±20% | 30 | 50 | 1800  | 0.140 | 930  |
| -330M | 33.0 | ±20% | 30 | 50 | 1600  | 0.150 | 900  |
| -390M | 39.0 | ±20% | 30 | 50 | 1500  | 0.160 | 870  |
| -470M | 47.0 | ±20% | 30 | 50 | 1350  | 0.170 | 847  |
| -560K | 56.0 | ±10% | 20 | 50 | 1200  | 0.370 | 570  |
| -680K | 68.0 | ±10% | 20 | 50 | 1050  | 0.400 | 550  |
| -820K | 82.0 | ±10% | 15 | 50 | 1000  | 0.800 | 390  |
| -101K | 100  | ±10% | 15 | 25 | 900   | 0.850 | 375  |

**SERIES HF1008 FERRITE CORE**

|       |      |      |    |     |     |       |     |
|-------|------|------|----|-----|-----|-------|-----|
| -121K | 120  | ±10% | 30 | 25  | 850 | 0.910 | 405 |
| -151K | 150  | ±10% | 30 | 25  | 800 | 0.950 | 395 |
| -181K | 180  | ±10% | 30 | 25  | 700 | 1.05  | 375 |
| -221K | 220  | ±10% | 30 | 25  | 600 | 1.15  | 360 |
| -271K | 270  | ±10% | 30 | 25  | 550 | 1.25  | 345 |
| -331K | 330  | ±10% | 30 | 25  | 500 | 1.35  | 330 |
| -391K | 390  | ±10% | 30 | 25  | 465 | 1.45  | 320 |
| -471K | 470  | ±10% | 30 | 25  | 425 | 1.55  | 310 |
| -561K | 560  | ±10% | 30 | 25  | 415 | 1.65  | 300 |
| -621K | 620  | ±10% | 30 | 25  | 375 | 1.75  | 290 |
| -681K | 680  | ±10% | 30 | 25  | 340 | 1.85  | 280 |
| -751K | 750  | ±10% | 30 | 25  | 330 | 1.95  | 275 |
| -821K | 820  | ±10% | 30 | 25  | 325 | 2.00  | 273 |
| -911K | 910  | ±10% | 30 | 25  | 305 | 2.05  | 270 |
| -102K | 1000 | ±10% | 30 | 25  | 290 | 1.40  | 325 |
| -122K | 1200 | ±10% | 30 | 7.9 | 200 | 1.45  | 320 |
| -152K | 1500 | ±10% | 30 | 7.9 | 165 | 1.50  | 315 |
| -182K | 1800 | ±10% | 30 | 7.9 | 150 | 1.60  | 305 |
| -222K | 2200 | ±10% | 30 | 7.9 | 120 | 1.65  | 300 |
| -272K | 2700 | ±10% | 30 | 7.9 | 110 | 1.80  | 285 |
| -332K | 3300 | ±10% | 30 | 7.9 | 60  | 1.90  | 280 |
| -392K | 3900 | ±10% | 30 | 7.9 | 50  | 1.95  | 275 |
| -472K | 4700 | ±10% | 30 | 7.9 | 40  | 2.00  | 273 |

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)