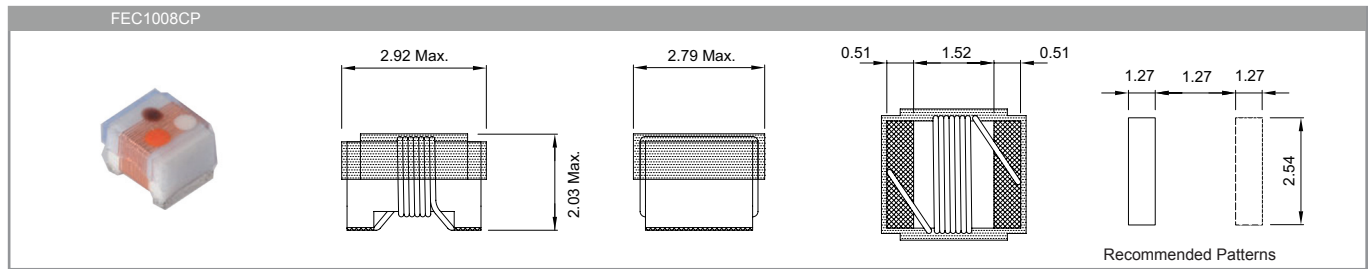


### ■ Mechanical Dimensions (Unit: mm)



### ■ Electrical Specification

| Part Number.       | Inductance (nH) | Inductance Tolerance | Test Freq. (MHz) | Q (Min) | Test Freq. (MHz) | SRF (GHz) Min | DCR (Ω) Max | I <sub>rms</sub> (mA) | COLOR CODE |        |            |
|--------------------|-----------------|----------------------|------------------|---------|------------------|---------------|-------------|-----------------------|------------|--------|------------|
|                    |                 |                      |                  |         |                  |               |             |                       | 1st        | 2nd    | multiplier |
| FEC1008CP-10N□-LRH | 10              | K,J                  | 50               | 50      | 500              | 4.10          | 0.08        | 1000                  | BROWN      | BLACK  | BLACK      |
| FEC1008CP-12N□-LRH | 12              | K,J                  | 50               | 50      | 500              | 3.30          | 0.09        | 1000                  | BROWN      | RED    | BLACK      |
| FEC1008CP-15N□-LRH | 15              | K,J                  | 50               | 50      | 500              | 2.50          | 0.10        | 1000                  | BROWN      | GREEN  | BLACK      |
| FEC1008CP-18N□-LRH | 18              | K,J,G                | 50               | 50      | 350              | 2.50          | 0.11        | 1000                  | BROWN      | GRAY   | BLACK      |
| FEC1008CP-22N□-LRH | 22              | K,J,G                | 50               | 55      | 350              | 2.40          | 0.12        | 1000                  | RED        | RED    | BLACK      |
| FEC1008CP-24N□-LRH | 24              | K,J,G                | 50               | 50      | 350              | 1.50          | 0.13        | 1000                  | RED        | YELLOW | BLACK      |
| FEC1008CP-27N□-LRH | 27              | K,J,G                | 50               | 55      | 350              | 1.60          | 0.13        | 1000                  | RED        | VIOLET | BLACK      |
| FEC1008CP-33N□-LRH | 33              | K,J,G                | 50               | 60      | 350              | 1.60          | 0.14        | 1000                  | ORANGE     | ORANGE | BLACK      |
| FEC1008CP-39N□-LRH | 39              | K,J,G                | 50               | 60      | 350              | 1.50          | 0.15        | 1000                  | ORANGE     | WHITE  | BLACK      |
| FEC1008CP-47N□-LRH | 47              | K,J,G                | 50               | 65      | 350              | 1.50          | 0.16        | 1000                  | YELLOW     | VIOLET | BLACK      |
| FEC1008CP-56N□-LRH | 56              | K,J,G                | 50               | 65      | 350              | 1.30          | 0.18        | 1000                  | GREEN      | BLUE   | BLACK      |
| FEC1008CP-68N□-LRH | 68              | K,J,G                | 50               | 65      | 350              | 1.30          | 0.20        | 1000                  | BLUE       | GRAY   | BLACK      |
| FEC1008CP-82N□-LRH | 82              | K,J,G                | 50               | 60      | 350              | 1.00          | 0.22        | 1000                  | GRAY       | RED    | BLACK      |
| FEC1008CP-R10□-LRH | 100             | K,J,G                | 25               | 60      | 350              | 1.00          | 0.56        | 650                   | BROWN      | BLACK  | BROWN      |
| FEC1008CP-R12□-LRH | 120             | K,J,G                | 25               | 60      | 350              | 0.950         | 0.63        | 650                   | BROWN      | RED    | BROWN      |
| FEC1008CP-R15□-LRH | 150             | K,J,G                | 25               | 45      | 100              | 0.850         | 0.70        | 580                   | BROWN      | GREEN  | BROWN      |
| FEC1008CP-R18□-LRH | 180             | K,J,G                | 25               | 45      | 100              | 0.750         | 0.77        | 620                   | BROWN      | GRAY   | BROWN      |
| FEC1008CP-R20□-LRH | 200             | K,J,G                | 25               | 50      | 100              | 0.750         | 0.81        | 500                   | RED        | BLACK  | BROWN      |
| FEC1008CP-R22□-LRH | 220             | K,J,G                | 25               | 45      | 100              | 0.700         | 0.84        | 500                   | RED        | RED    | BROWN      |
| FEC1008CP-R24□-LRH | 240             | K,J,G                | 25               | 50      | 100              | 0.600         | 0.84        | 500                   | RED        | YELLOW | BROWN      |
| FEC1008CP-R27□-LRH | 270             | K,J,G                | 25               | 45      | 100              | 0.600         | 0.91        | 500                   | RED        | VIOLET | BROWN      |
| FEC1008CP-R30□-LRH | 300             | K,J,G                | 25               | 40      | 100              | 0.500         | 1.05        | 660                   | ORANGE     | BLACK  | BROWN      |
| FEC1008CP-R33□-LRH | 330             | K,J,G                | 25               | 45      | 100              | 0.570         | 1.05        | 450                   | ORANGE     | ORANGE | BROWN      |
| FEC1008CP-R36□-LRH | 360             | K,J,G                | 25               | 40      | 100              | 0.500         | 1.05        | 660                   | ORANGE     | BLUE   | BROWN      |
| FEC1008CP-R39□-LRH | 390             | K,J,G                | 25               | 45      | 100              | 0.500         | 1.12        | 470                   | ORANGE     | WHITE  | BROWN      |
| FEC1008CP-R43□-LRH | 430             | K,J,G                | 25               | 45      | 100              | 0.425         | 1.19        | 600                   | YELLOW     | ORANGE | BROWN      |
| FEC1008CP-R47□-LRH | 470             | K,J,G                | 25               | 45      | 100              | 0.450         | 1.19        | 470                   | YELLOW     | VIOLET | BROWN      |
| FEC1008CP-R56□-LRH | 560             | K,J,G                | 25               | 45      | 100              | 0.415         | 1.33        | 400                   | GREEN      | BLUE   | BROWN      |
| FEC1008CP-R62□-LRH | 620             | K,J,G                | 25               | 45      | 100              | 0.375         | 1.40        | 300                   | BLUE       | RED    | BROWN      |
| FEC1008CP-R68□-LRH | 680             | K,J,G                | 25               | 45      | 100              | 0.375         | 1.47        | 400                   | BLUE       | GRAY   | BROWN      |
| FEC1008CP-R75□-LRH | 750             | K,J,G                | 25               | 45      | 100              | 0.360         | 1.54        | 360                   | VIOLET     | GREEN  | BROWN      |
| FEC1008CP-R82□-LRH | 820             | K,J,G                | 25               | 45      | 100              | 0.350         | 1.61        | 400                   | GRAY       | RED    | BROWN      |
| FEC1008CP-R91□-LRH | 910             | K,J,G                | 25               | 35      | 50               | 0.320         | 1.68        | 380                   | WHITE      | BROWN  | BROWN      |
| FEC1008CP-1R0□-LRH | 1000            | K,J,G                | 25               | 35      | 50               | 0.290         | 1.75        | 370                   | BROWN      | BLACK  | RED        |
| FEC1008CP-1R2□-LRH | 1200            | K,J,G                | 7.9              | 35      | 50               | 0.250         | 2.00        | 310                   | BROWN      | RED    | RED        |
| FEC1008CP-1R5□-LRH | 1500            | K,J,G                | 7.9              | 28      | 50               | 0.200         | 2.30        | 330                   | BROWN      | GREEN  | RED        |
| FEC1008CP-1R8□-LRH | 1800            | K,J,G                | 7.9              | 28      | 50               | 0.160         | 2.60        | 300                   | BROWN      | GRAY   | RED        |
| FEC1008CP-2R0□-LRH | 2000            | K,J,G                | 7.9              | 25      | 50               | 0.160         | 2.80        | 280                   | RED        | BLACK  | RED        |
| FEC1008CP-2R2□-LRH | 2200            | K,J,G                | 7.9              | 28      | 50               | 0.160         | 2.80        | 280                   | RED        | RED    | RED        |
| FEC1008CP-2R7□-LRH | 2700            | K,J,G                | 7.9              | 22      | 25               | 0.140         | 3.20        | 290                   | RED        | VIOLET | RED        |
| FEC1008CP-3R3□-LRH | 3300            | K,J,G                | 7.9              | 22      | 25               | 0.110         | 3.40        | 290                   | ORANGE     | ORANGE | RED        |
| FEC1008CP-3R9□-LRH | 3900            | K,J,G                | 7.9              | 20      | 25               | 0.100         | 3.60        | 260                   | ORANGE     | WHITE  | RED        |
| FEC1008CP-4R7□-LRH | 4700            | K,J,G                | 7.9              | 20      | 25               | 0.090         | 4.00        | 260                   | YELLOW     | VIOLET | RED        |

# SMD WIRE WOUND CERAMIC CHIP INDUCTORS

## FEC1008CP Series

- a. Tolerance: K=±10% ; J=±5% ; G=±2%
- b. Operating Temp: -40°C to +125°C
- c. For 15: Temperature Rise.
- d. Inductance & Q measured using the HP4291B.
- e. SRF measured using the HP8753E, or HP8720D .
- f. DCR measured using the 16502 milli-ohm meter.
- g. Unspecified values available on request

### ■ Characteristic Curve

- FEC1008CP

