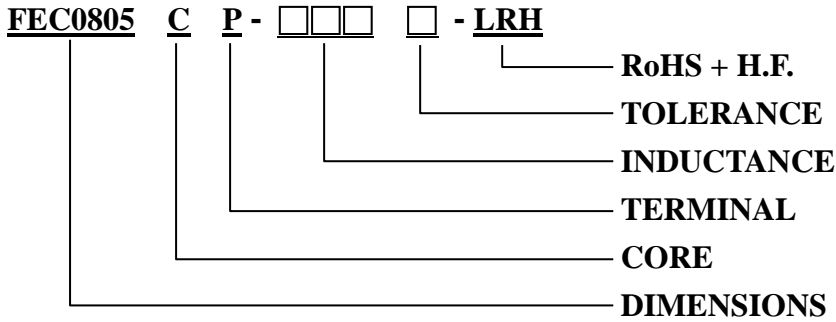


# SPECIFICATION FOR APPROVAL

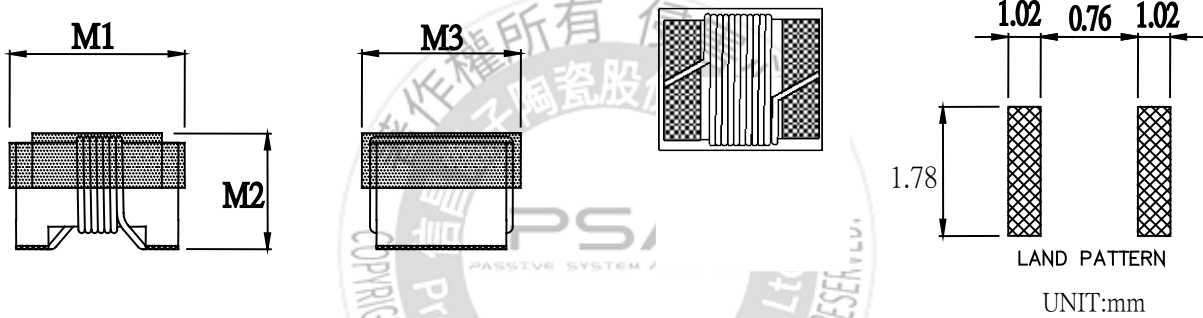
- ※This is a RoHS and REACH compliant product whose related documents are available on request.
- ※Graphic is only for dimensionally application.

## 1. SCOPE: THIS SPECIFICATION APPLIES TO WIRE WOUND CHIP INDUCTORS.

## 2. PART NUMBER IDENTIFICATION



## 3. MECHANICAL DIMENSION

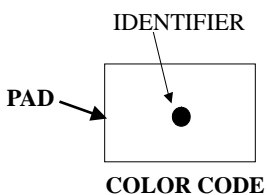


| M1        | M2        | M3        |
|-----------|-----------|-----------|
| 2.29(MAX) | 1.52(MAX) | 1.73(MAX) |

## 4. RATING TEMPERATURE

**OPERATING TEMPERATURE RANGE: -25°C TO +125°C.**  
**STORAGE TEMPERATURE RANGE: COMPONENT: -25°C TO +85°C.**

## 5. MARKING



**Marking Direction: PAD is on the left and right, the color code is centered.**  
**Example: FEC0805CP-2N8□-LRH**  
**MARKING: RED**  
**MARK COLOR CODE IN COMPOSITE ELECTRICAL SPECIFICATION**

# SPECIFICATION FOR APPROVAL

## 6. ELECTRICAL SPECIFICATION

| Part number        | Inductance (nH) | Test Frequency (MHz) | Inductance Tolerance | Q MIN. | Test Frequency (MHz) | SRF (MHz) MIN. | DC Resistance ( $\Omega$ ) MAX. | Irms (mA) | COLOR CODE |
|--------------------|-----------------|----------------------|----------------------|--------|----------------------|----------------|---------------------------------|-----------|------------|
| FEC0805CP-2N2□-LRH | 2.2             | 250                  | K,J                  | 35     | 1500                 | 3000           | 0.08                            | 600       | WHITE      |
| FEC0805CP-2N7□-LRH | 2.7             | 250                  | K,J                  | 80     | 1500                 | 7900           | 0.03                            | 600       | BROWN      |
| FEC0805CP-2N8□-LRH | 2.8             | 250                  | K,J                  | 80     | 1500                 | 7900           | 0.06                            | 800       | RED        |
| FEC0805CP-2N9□-LRH | 2.9             | 250                  | K,J                  | 50     | 1000                 | 4700           | 0.05                            | 600       | BLUE       |
| FEC0805CP-3N0□-LRH | 3.0             | 250                  | K,J                  | 65     | 1500                 | 7900           | 0.06                            | 800       | VIOLET     |
| FEC0805CP-3N3□-LRH | 3.3             | 250                  | K,J                  | 35     | 1500                 | 7900           | 0.08                            | 600       | BLACK      |
| FEC0805CP-5N6□-LRH | 5.6             | 250                  | K,J                  | 65     | 1000                 | 5500           | 0.08                            | 600       | VIOLET     |
| FEC0805CP-6N8□-LRH | 6.8             | 250                  | K,J                  | 50     | 1000                 | 5500           | 0.11                            | 600       | BROWN      |
| FEC0805CP-7N5□-LRH | 7.5             | 250                  | K,J                  | 50     | 1000                 | 4500           | 0.10                            | 600       | BLACK      |
| FEC0805CP-8N2□-LRH | 8.2             | 250                  | K,J,G                | 50     | 1000                 | 4700           | 0.12                            | 600       | RED        |
| FEC0805CP-8N7□-LRH | 8.7             | 250                  | K,J,G                | 50     | 1000                 | 4700           | 0.10                            | 400       | WHITE      |
| FEC0805CP-10N□-LRH | 10              | 250                  | K,J,G                | 60     | 500                  | 4200           | 0.10                            | 600       | RED        |
| FEC0805CP-12N□-LRH | 12              | 250                  | K,J,G                | 50     | 500                  | 4000           | 0.15                            | 600       | ORANGE     |
| FEC0805CP-15N□-LRH | 15              | 250                  | K,J,G                | 50     | 500                  | 3400           | 0.17                            | 600       | YELLOW     |
| FEC0805CP-18N□-LRH | 18              | 250                  | K,J,G                | 50     | 500                  | 3300           | 0.20                            | 600       | GREEN      |
| FEC0805CP-22N□-LRH | 22              | 250                  | K,J,G                | 55     | 500                  | 2600           | 0.22                            | 500       | BLUE       |
| FEC0805CP-24N□-LRH | 24              | 250                  | K,J,G                | 50     | 500                  | 2000           | 0.22                            | 500       | RED        |
| FEC0805CP-27N□-LRH | 27              | 250                  | K,J,G                | 55     | 500                  | 2500           | 0.25                            | 500       | VIOLET     |
| FEC0805CP-33N□-LRH | 33              | 250                  | K,J,G                | 60     | 500                  | 2050           | 0.27                            | 500       | GRAY       |
| FEC0805CP-36N□-LRH | 36              | 250                  | K,J,G                | 55     | 500                  | 1700           | 0.27                            | 500       | YELLOW     |
| FEC0805CP-39N□-LRH | 39              | 250                  | K,J,G                | 60     | 500                  | 2000           | 0.29                            | 500       | WHITE      |
| FEC0805CP-43N□-LRH | 43              | 200                  | K,J,G                | 60     | 500                  | 1650           | 0.34                            | 500       | YELLOW     |
| FEC0805CP-47N□-LRH | 47              | 200                  | K,J,G                | 60     | 500                  | 1650           | 0.31                            | 500       | BLACK      |
| FEC0805CP-56N□-LRH | 56              | 200                  | K,J,G                | 60     | 500                  | 1550           | 0.34                            | 500       | BROWN      |
| FEC0805CP-68N□-LRH | 68              | 200                  | K,J,G                | 60     | 500                  | 1450           | 0.38                            | 500       | RED        |
| FEC0805CP-82N□-LRH | 82              | 150                  | K,J,G                | 65     | 500                  | 1300           | 0.42                            | 400       | ORANGE     |
| FEC0805CP-91N□-LRH | 91              | 150                  | K,J,G                | 65     | 500                  | 1200           | 0.48                            | 400       | BLUE       |
| FEC0805CP-R10□-LRH | 100             | 150                  | K,J,G                | 65     | 500                  | 1200           | 0.46                            | 400       | YELLOW     |
| FEC0805CP-R11□-LRH | 110             | 150                  | K,J,G                | 50     | 500                  | 1000           | 0.48                            | 400       | VIOLET     |
| FEC0805CP-R12□-LRH | 120             | 150                  | K,J,G                | 50     | 250                  | 1100           | 0.51                            | 400       | GREEN      |
| FEC0805CP-R15□-LRH | 150             | 100                  | K,J,G                | 50     | 250                  | 920            | 0.56                            | 400       | BLUE       |
| FEC0805CP-R16□-LRH | 160             | 100                  | K,J,G                | 50     | 250                  | 900            | 0.60                            | 400       | YELLOW     |
| FEC0805CP-R18□-LRH | 180             | 100                  | K,J,G                | 50     | 250                  | 870            | 0.64                            | 400       | VIOLET     |
| FEC0805CP-R20□-LRH | 200             | 100                  | K,J,G                | 50     | 250                  | 860            | 0.68                            | 400       | RED        |
| FEC0805CP-R22□-LRH | 220             | 100                  | K,J,G                | 50     | 250                  | 850            | 0.70                            | 400       | GRAY       |
| FEC0805CP-R24□-LRH | 240             | 100                  | K,J,G                | 44     | 250                  | 690            | 1.00                            | 350       | BLACK      |
| FEC0805CP-R25□-LRH | 250             | 100                  | K,J,G                | 50     | 250                  | 680            | 1.00                            | 350       | YELLOW     |
| FEC0805CP-R27□-LRH | 270             | 100                  | K,J,G                | 48     | 250                  | 650            | 1.15                            | 350       | WHITE      |
| FEC0805CP-R30□-LRH | 300             | 100                  | K,J,G                | 48     | 250                  | 620            | 1.20                            | 300       | GRAY       |
| FEC0805CP-R33□-LRH | 330             | 100                  | K,J,G                | 48     | 250                  | 600            | 1.40                            | 300       | BLACK      |
| FEC0805CP-R36□-LRH | 360             | 100                  | K,J,G                | 35     | 250                  | 400            | 0.90                            | 300       | ORANGE     |
| FEC0805CP-R39□-LRH | 390             | 100                  | K,J,G                | 48     | 250                  | 560            | 1.50                            | 300       | BROWN      |
| FEC0805CP-R43□-LRH | 430             | 100                  | K,J,G                | 33     | 100                  | 430            | 1.70                            | 190       | WHITE      |
| FEC0805CP-R47□-LRH | 470             | 50                   | K,J                  | 33     | 100                  | 375            | 1.70                            | 250       | VIOLET     |
| FEC0805CP-R56□-LRH | 560             | 25                   | K,J                  | 23     | 50                   | 340            | 1.90                            | 230       | ORANGE     |
| FEC0805CP-R62□-LRH | 620             | 25                   | K,J                  | 23     | 50                   | 200            | 2.00                            | 190       | ORANGE     |
| FEC0805CP-R68□-LRH | 680             | 25                   | K,J                  | 23     | 50                   | 188            | 2.20                            | 190       | GREEN      |
| FEC0805CP-R82□-LRH | 820             | 25                   | K,J                  | 23     | 50                   | 215            | 2.50                            | 190       | BROWN      |
| FEC0805CP-R91□-LRH | 910             | 25                   | K,J                  | 24     | 50                   | 250            | 2.30                            | 170       | RED        |
| FEC0805CP-1R0□-LRH | 1000            | 25                   | K,J                  | 23     | 50                   | 100            | 2.7                             | 170       | BLACK      |
| FEC0805CP-2R2□-LRH | 2200            | 7.9                  | J,G                  | 16     | 7.9                  | 60             | 2.70                            | 160       | RED        |

**NOTE:**

1. □Tolerance: M:±20%、K:±10%、J:±5%、G:±2%
2. MSL: LEVEL 1