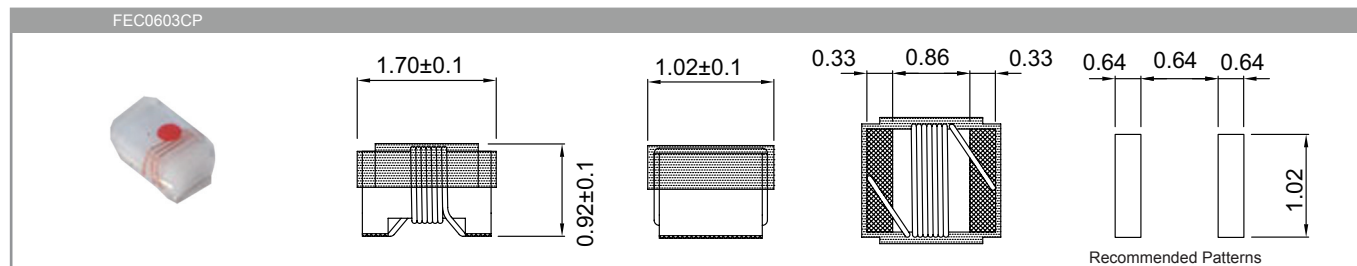


SMD WIRE WOUND CERAMIC CHIP INDUCTORS

FEC0603CP Series

■ Mechanical Dimensions (Unit: mm)



■ Electrical Specification

| Part Number. | Inductance (nH) | Inductance Tolerance | Q (Min) | Test Freq. (MHz) | 900 (MHz) | | 1.7 (GHz) | | SRF (GHz) Min | DCR (Ω) Max | I _{rms} (mA) | COLOR CODE |
|--------------------|-----------------|----------------------|---------|------------------|-----------|--------|-----------|--------|---------------|-------------|-----------------------|------------|
| | | | | | L typ. | Q typ. | L typ. | Q typ. | | | | |
| FEC0603CP-1N6□-LRH | 1.6 | J、K | 24 | 250 | 1.67 | 49 | 1.65 | 63 | 12.50 | 0.030 | 700 | BLACK |
| FEC0603CP-1N8□-LRH | 1.8 | J、K | 16 | 250 | 1.83 | 35 | 1.86 | 50 | 12.50 | 0.045 | 700 | BROWN |
| FEC0603CP-2N1□-LRH | 2.1 | J、K | 20 | 250 | 2.11 | 31 | 2.09 | 45 | 5.80 | 0.005 | 700 | RED |
| FEC0603CP-2N2□-LRH | 2.2 | J、K | 20 | 250 | 2.22 | 31 | 2.24 | 44 | 5.80 | 0.005 | 700 | ORANGE |
| FEC0603CP-3N3□-LRH | 3.3 | J、K | 20 | 250 | 3.31 | 75 | 3.38 | 88 | 5.50 | 0.070 | 700 | VIOLET |
| FEC0603CP-3N6□-LRH | 3.6 | J、K | 22 | 250 | 3.72 | 53 | 3.71 | 65 | 5.90 | 0.063 | 700 | RED |
| FEC0603CP-3N9□-LRH | 3.9 | J、K | 22 | 250 | 3.95 | 49 | 3.96 | 67 | 5.90 | 0.080 | 700 | ORANGE |
| FEC0603CP-4N3□-LRH | 4.3 | J、K | 22 | 250 | 4.32 | 50 | 4.33 | 70 | 5.90 | 0.063 | 700 | YELLOW |
| FEC0603CP-4N7□-LRH | 4.7 | J、K | 20 | 250 | 4.72 | 47 | 4.75 | 57 | 5.80 | 0.116 | 700 | GREEN |
| FEC0603CP-5N1□-LRH | 5.1 | J、K | 20 | 250 | 4.93 | 47 | 4.95 | 56 | 5.70 | 0.140 | 700 | BLUE |
| FEC0603CP-5N6□-LRH | 5.6 | J、K | 20 | 250 | 5.77 | 63 | 6.05 | 80 | 5.80 | 0.150 | 700 | GRAY |
| FEC0603CP-6N1□-LRH | 6.1 | J、K | 25 | 250 | 5.90 | 59 | 7.08 | 79 | 5.80 | 0.110 | 700 | WHITE |
| FEC0603CP-6N8□-LRH | 6.8 | G、J、K | 27 | 250 | 6.75 | 60 | 7.10 | 81 | 5.80 | 0.110 | 700 | VIOLET |
| FEC0603CP-7N5□-LRH | 7.5 | G、J、K | 28 | 250 | 7.70 | 60 | 7.82 | 85 | 4.80 | 0.106 | 700 | GRAY |
| FEC0603CP-8N2□-LRH | 8.2 | G、J、K | 25 | 250 | 8.25 | 82 | 8.37 | 87 | 5.80 | 0.120 | 700 | BLACK |
| FEC0603CP-8N4□-LRH | 8.4 | G、J、K | 28 | 250 | 8.39 | 79 | 8.51 | 85 | 4.60 | 0.109 | 700 | RED |
| FEC0603CP-8N5□-LRH | 8.5 | G、J、K | 28 | 250 | 8.47 | 81 | 8.62 | 86 | 4.60 | 0.109 | 700 | RED |
| FEC0603CP-8N7□-LRH | 8.7 | G、J | 28 | 250 | 8.86 | 62 | 9.32 | 58 | 4.60 | 0.109 | 700 | WHITE |
| FEC0603CP-9N5□-LRH | 9.5 | G、J | 28 | 250 | 9.70 | 59 | 9.92 | 61 | 5.40 | 0.135 | 700 | BLACK |
| FEC0603CP-10N□-LRH | 10 | G、J | 31 | 250 | 10.00 | 66 | 10.6 | 83 | 4.80 | 0.130 | 700 | BROWN |
| FEC0603CP-11N□-LRH | 11 | G、J | 33 | 250 | 11.00 | 53 | 11.5 | 56 | 4.00 | 0.086 | 700 | RED |
| FEC0603CP-12N□-LRH | 12 | G、J | 35 | 250 | 12.30 | 72 | 13.5 | 83 | 4.00 | 0.130 | 700 | ORANGE |
| FEC0603CP-14N□-LRH | 14 | G、J | 35 | 250 | 14.20 | 69 | 15.6 | 85 | 4.00 | 0.170 | 700 | BROWN |
| FEC0603CP-15N□-LRH | 15 | G、J | 35 | 250 | 15.40 | 64 | 16.8 | 89 | 4.00 | 0.170 | 700 | YELLOW |
| FEC0603CP-16N□-LRH | 16 | G、J | 34 | 250 | 16.20 | 55 | 17.3 | 52 | 3.30 | 0.104 | 700 | GREEN |
| FEC0603CP-18N□-LRH | 18 | G、J | 35 | 250 | 18.70 | 70 | 21.4 | 69 | 3.10 | 0.170 | 700 | BLUE |
| FEC0603CP-22N□-LRH | 22 | G、J | 38 | 250 | 22.80 | 73 | 26.1 | 71 | 3.00 | 0.190 | 700 | VIOLET |
| FEC0603CP-23N□-LRH | 23 | G、J | 38 | 250 | 24.10 | 71 | 28.0 | 67 | 2.85 | 0.190 | 700 | BLACK |
| FEC0603CP-24N□-LRH | 24 | G、J | 37 | 250 | 24.50 | 45 | 28.7 | 39 | 2.65 | 0.135 | 700 | GRAY |
| FEC0603CP-27N□-LRH | 27 | G、J | 40 | 250 | 29.20 | 74 | 34.6 | 65 | 2.80 | 0.220 | 600 | WHITE |
| FEC0603CP-30N□-LRH | 30 | G、J | 37 | 250 | 31.40 | 47 | 39.9 | 28 | 2.25 | 0.144 | 600 | BLACK |
| FEC0603CP-33N□-LRH | 33 | G、J | 40 | 250 | 36.00 | 67 | 49.5 | 42 | 2.30 | 0.220 | 600 | BROWN |
| FEC0603CP-36N□-LRH | 36 | G、J | 38 | 250 | 39.40 | 47 | 52.7 | 24 | 2.08 | 0.250 | 600 | RED |
| FEC0603CP-39N□-LRH | 39 | G、J | 40 | 250 | 42.70 | 60 | 60.2 | 40 | 2.20 | 0.250 | 600 | ORANGE |
| FEC0603CP-43N□-LRH | 43 | G、J | 39 | 250 | 47.00 | 44 | 64.9 | 21 | 2.00 | 0.280 | 600 | YELLOW |
| FEC0603CP-47N□-LRH | 47 | G、J | 38 | 200 | 52.20 | 62 | 77.2 | 35 | 2.00 | 0.280 | 600 | GREEN |
| FEC0603CP-51N□-LRH | 51 | G、J | 35 | 200 | 55.50 | 69 | 82.2 | 34 | 1.90 | 0.270 | 600 | BROWN |
| FEC0603CP-56N□-LRH | 56 | G、J | 38 | 200 | 62.50 | 56 | 97.0 | 26 | 1.90 | 0.310 | 600 | BLUE |
| FEC0603CP-68N□-LRH | 68 | G、J | 37 | 200 | 80.50 | 54 | 168 | 21 | 1.70 | 0.340 | 600 | VIOLET |
| FEC0603CP-72N□-LRH | 72 | G、J | 34 | 150 | 82.00 | 53 | 135 | 20 | 1.70 | 0.490 | 400 | GRAY |
| FEC0603CP-82N□-LRH | 82 | G、J | 34 | 150 | 96.20 | 54 | 177 | 21 | 1.70 | 0.540 | 400 | WHITE |
| FEC0603CP-R10□-LRH | 100 | G、J | 34 | 150 | 124 | 49 | - | - | 1.40 | 0.580 | 400 | BLACK |
| FEC0603CP-R11□-LRH | 110 | G、J | 32 | 150 | 138 | 43 | - | - | 1.35 | 0.610 | 300 | BROWN |
| FEC0603CP-R12□-LRH | 120 | G、J | 32 | 150 | 166 | 39 | - | - | 1.30 | 0.650 | 300 | RED |
| FEC0603CP-R15□-LRH | 150 | G、J | 28 | 150 | 250 | 25 | - | - | 0.990 | 0.920 | 280 | ORANGE |

SMD WIRE WOUND CERAMIC CHIP INDUCTORS

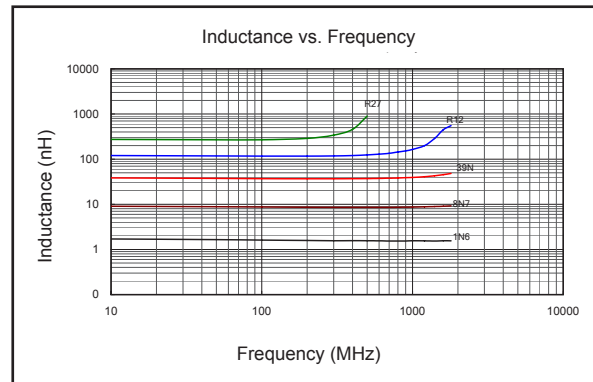
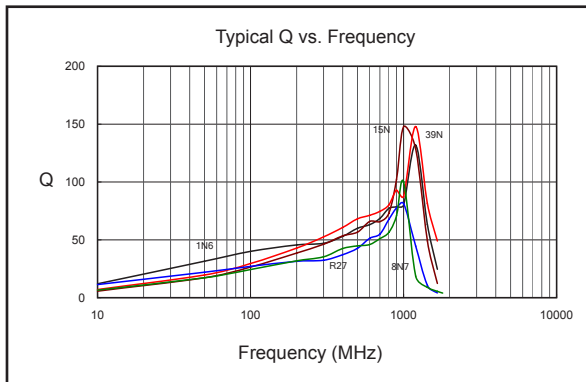
FEC0603CP Series

| Part Number. | Inductance (nH) | Inductance Tolerance | Q (Min) | Test Freq. (MHz) | 900 (MHz) | | 1.7 (GHz) | | SRF (GHz) Min | DCR (Ω) Max | I _{rms} (mA) | COLOR CODE |
|--------------------|-----------------|----------------------|---------|------------------|-----------|--------|-----------|--------|---------------|-------------|-----------------------|------------|
| | | | | | L typ. | Q typ. | L typ. | Q typ. | | | | |
| FEC0603CP-R18□-LRH | 180 | G \ J | 25 | 100 | 305 | 22 | - | - | 0.990 | 1.250 | 240 | YELLOW |
| FEC0603CP-R20□-LRH | 200 | G \ J | 25 | 100 | - | - | - | - | 0.990 | 1.980 | 200 | RED |
| FEC0603CP-R21□-LRH | 210 | G \ J | 27 | 100 | - | - | - | - | 0.895 | 2.060 | 200 | ORANGE |
| FEC0603CP-R22□-LRH | 220 | G \ J | 25 | 100 | - | - | - | - | 0.900 | 1.900 | 200 | GREEN |
| FEC0603CP-R25□-LRH | 250 | G \ J | 25 | 100 | - | - | - | - | 0.822 | 3.550 | 120 | YELLOW |
| FEC0603CP-R27□-LRH | 270 | G \ J | 24 | 100 | - | - | - | - | 0.900 | 2.300 | 170 | BLUE |
| FEC0603CP-R33□-LRH | 330 | G \ J | 24 | 100 | - | - | - | - | 0.900 | 2.300 | 100 | VIOLET |
| FEC0603CP-R39□-LRH | 390 | G \ J | 25 | 100 | - | - | - | - | 0.900 | 4.350 | 100 | GRAY |

- 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

· FEC0603CP



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