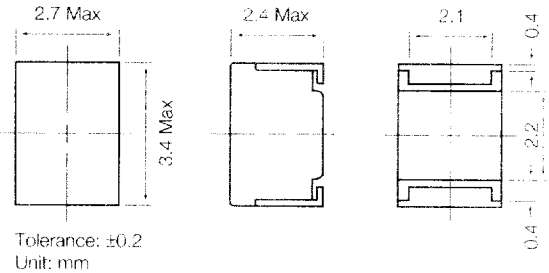


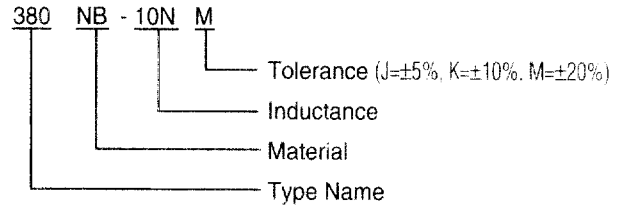
The 32CS Series is a ferrite core wirewound surface mount inductor which conforms to the EIA standard 1210 footprint. A low temperature coefficient assures minimal drift of values. Its molded construction is of a superior grade resin for high mechanical strength, electrical stability, protection from leaching and flux contamination. It is recommended for general signal conditioning, RF or IF filtering applications, or as matching elements.



Features

- Inductance Range: 0.01–220 μ H
- Temperature Range: –25 to 85°C
- Molded of superior grade resin for mechanical strength, electrical stability, protection from leaching and flux contamination.
- Dip and reflow soldering.
- Low temperature coefficient assures minimal drift of values.
- Low profile size: 1210 footprint
- Packaged on tape and reel in 1,500 or 5,000 piece quantity

Part Numbering



STANDARD PARTS SELECTION GUIDE

- (1) Add following tolerance code to part numbers with parenthesis:
J=±5%, K=±10%, or M=±20%. All other part numbers are available in "M" tolerance only.
- (2) The rated DC current is that which the inductance value decreases 10% by the excitation DC current.

TYPE 32CS

| TOKO Part ⁽¹⁾ Number | Inductance (μ H) | Q (min.) | Test Frequency (MHz) | DC Resistance (Ω) max. | Rated DC Current ⁽²⁾ (mA) max. | Self Resonant Frequency (MHz) min. |
|---------------------------------|-----------------------|----------|----------------------|---------------------------------|---|------------------------------------|
| 380NB-10NM | 0.010 | 18 | 100 | 0.100 | 510 | 1000 |
| 380NB-12NM | 0.012 | 19 | 100 | 0.125 | 490 | 1000 |
| 380NB-15NM | 0.015 | 20 | 100 | 0.145 | 470 | 1000 |
| 380NB-18NM | 0.018 | 20 | 100 | 0.165 | 450 | 1000 |
| 380NB-22NM | 0.022 | 21 | 100 | 0.170 | 430 | 900 |
| 380NB-27NM | 0.027 | 22 | 100 | 0.190 | 410 | 800 |
| 380NB-33NM | 0.033 | 22 | 100 | 0.200 | 390 | 720 |
| 380NB-39NM | 0.039 | 23 | 100 | 0.230 | 380 | 700 |
| 380NB-47NM | 0.047 | 24 | 100 | 0.235 | 360 | 650 |
| 380NB-56NM | 0.056 | 25 | 100 | 0.265 | 340 | 600 |
| 380NB-68NM | 0.068 | 26 | 100 | 0.290 | 320 | 550 |
| 380NB-82NM | 0.082 | 27 | 100 | 0.330 | 300 | 525 |
| 380NB-R10M | 0.10 | 18 | 25.2 | 0.38 | 250 | 450 |
| 380NB-R12M | 0.12 | 18 | 25.2 | 0.42 | 240 | 300 |
| 380NB-R15M | 0.15 | 17 | 25.2 | 0.46 | 230 | 220 |
| 380NB-R18M | 0.18 | 16 | 25.2 | 0.50 | 220 | 190 |
| 380NB-R22M | 0.22 | 15 | 25.2 | 0.54 | 200 | 160 |
| 380NB-R27M | 0.27 | 15 | 25.2 | 0.60 | 190 | 130 |
| 380NB-R33M | 0.33 | 15 | 25.2 | 0.65 | 180 | 100 |
| 380NB-R39M | 0.39 | 14 | 25.2 | 0.70 | 170 | 95 |

continued from previous page

TYPE 32CS (cont'd)

| TOKO Part ⁽¹⁾ Number | Inductance (μH) | Q (min.) | Test Frequency (MHz) | DC Resistance (Ω) max. | Rated DC Current ⁽²⁾ (mA) max. | Self Resonant Frequency (MHz) min. |
|---------------------------------|-----------------|----------|----------------------|------------------------|---|------------------------------------|
| 380NB-R47M | 0.47 | 13 | 25.2 | 0.75 | 170 | 85 |
| 380NB-R56M | 0.56 | 12 | 25.2 | 0.84 | 160 | 75 |
| 380NB-R68M | 0.68 | 12 | 25.2 | 0.92 | 150 | 70 |
| 380NB-R82M | 0.82 | 12 | 25.2 | 1.01 | 140 | 65 |
| 380LB-1R0(K,M) | 1.0 | 30 | 7.96 | 0.42 | 235 | 150 |
| 380LB-1R2(K,M) | 1.2 | 30 | 7.96 | 0.46 | 225 | 110 |
| 380LB-1R5(K,M) | 1.5 | 30 | 7.96 | 0.51 | 200 | 75.0 |
| 380LB-1R8(K,M) | 1.8 | 30 | 7.96 | 0.56 | 190 | 57.5 |
| 380LB-2R2(K,M) | 2.2 | 30 | 7.96 | 0.63 | 180 | 45.0 |
| 380LB-2R7(K,M) | 2.7 | 30 | 7.96 | 0.71 | 178 | 37.0 |
| 380LB-3R3(K,M) | 3.3 | 30 | 7.96 | 0.78 | 175 | 32.5 |
| 380LB-3R9(K,M) | 3.9 | 30 | 7.96 | 0.86 | 170 | 29.5 |
| 380LB-4R7(K,M) | 4.7 | 30 | 7.96 | 0.94 | 160 | 27.0 |
| 380LB-5R6(K,M) | 5.6 | 30 | 7.96 | 1.43 | 127 | 24.0 |
| 380LB-6R8(K,M) | 6.8 | 30 | 7.96 | 1.63 | 125 | 20.5 |
| 380LB-8R2(K,M) | 8.2 | 30 | 7.96 | 1.76 | 120 | 19.0 |
| 380KB-100(J,K) | 10 | 30 | 2.52 | 1.76 | 118 | 18.5 |
| 380KB-120(J,K) | 12 | 30 | 2.52 | 2.02 | 93.0 | 17.0 |
| 380KB-150(J,K) | 15 | 30 | 2.52 | 2.28 | 85.0 | 15.5 |
| 380KB-180(J,K) | 18 | 30 | 2.52 | 2.54 | 80.0 | 14.5 |
| 380KB-220(J,K) | 22 | 30 | 2.52 | 4.03 | 73.3 | 11.5 |
| 380KB-270(J,K) | 27 | 30 | 2.52 | 4.55 | 68.3 | 11.5 |
| 380KB-330(J,K) | 33 | 30 | 2.52 | 5.20 | 61.7 | 10.5 |
| 380KB-390(J,K) | 39 | 30 | 2.52 | 5.59 | 56.7 | 9.50 |
| 380KB-470(J,K) | 47 | 30 | 2.52 | 8.06 | 51.7 | 9.00 |
| 380KB-560(J,K) | 56 | 30 | 2.52 | 9.10 | 43.3 | 8.25 |
| 380KB-680(J,K) | 68 | 30 | 2.52 | 13.4 | 42.5 | 8.00 |
| 380KB-820(J,K) | 82 | 30 | 2.52 | 14.3 | 37.5 | 6.00 |
| 380HB-101(J,K) | 100 | 18 | 0.796 | 14.3 | 37.3 | 5.75 |
| 380HB-121(J,K) | 120 | 18 | 0.796 | 16.3 | 35.0 | 5.00 |
| 380HB-151(J,K) | 150 | 18 | 0.796 | 19.5 | 32.0 | 4.40 |
| 380HB-181(J,K) | 180 | 18 | 0.796 | 20.8 | 31.0 | 4.25 |
| 380HB-221(J,K) | 220 | 18 | 0.796 | 23.4 | 30.0 | 3.90 |