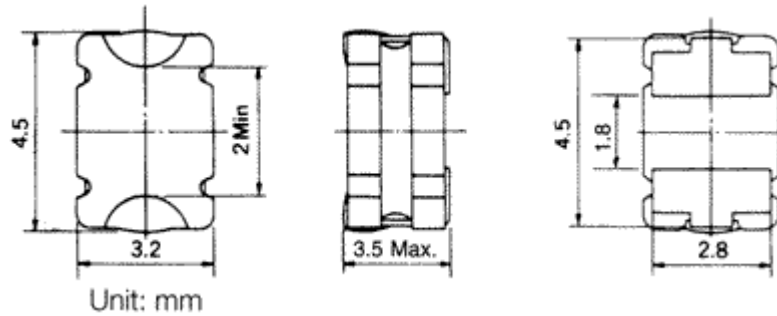


## 43FS Series



Unit: mm

### Technical Specification

|                           |                         |
|---------------------------|-------------------------|
| Inductance Range :        | 0.01uH - 1000uH         |
| Temperature Coefficient : | -200ppm/°C - 1000ppm/°C |
| Operating Temp. Range :   | 10°C/+60°C              |
| Quantity per Reel :       | 500 pcs / 2000 pcs      |

**43FS are designed for Reflow Soldering.  
Not recommended for new designs.**

### Features

- The 43FS series surface mounting chip inductor covers the range from 100nH to 1mH.
- These are available in large quantities on reels for use with automatic insertion equipment.
- Specially developed ferrite core materials have high frequency response for wider frequency range.
- Ceramic core material is available for higher frequency ranges. Low thermal coefficient assures minimal drift of F and L values.
- Withstands Freon and Chlorothen degreasing.
- Tolerance code J =  $\pm 5\%$  White dot.
- Tolerance code K =  $\pm 10\%$  No dot.
- Tolerance code M =  $\pm 20\%$  Pink dot.

## TOKO 43FS SURFACE MOUNT FIXED INDUCTORS

| TOKO Ref     | Inductance | Q <sub>min</sub> | DC Res (ohm) max | Q Test Freq (MHz) | DC(I) (mA) | SRF (MHz) | BE CRef |
|--------------|------------|------------------|------------------|-------------------|------------|-----------|---------|
| 300NS-R10(M) | 0.1uH      | 23               | 0.29             | 25.2              | 290        | 400       | 300401  |
| 300NS-R12(M) | 0.12uH     | 23               | 0.32             | 25.2              | 250        | 350       | 300412  |
| 300NS-R15(M) | 0.15uH     | 23               | 0.36             | 25.2              | 220        | 260       | 300415  |
| 300NS-R18(M) | 0.18uH     | 23               | 0.39             | 25.2              | 210        | 215       | 300418  |
| 300NS-R22(M) | 0.22uH     | 22               | 0.43             | 25.2              | 190        | 170       | 300422  |
| 300NS-R27(M) | 0.27uH     | 22               | 0.49             | 25.2              | 170        | 140       | 300427  |
| 300NS-R33(M) | 0.33uH     | 21               | 0.54             | 25.2              | 160        | 120       | 300433  |
| 300NS-R39(M) | 0.39uH     | 21               | 0.59             | 25.2              | 155        | 120       | 300439  |
| 300NS-R47(M) | 0.47uH     | 20               | 0.64             | 25.2              | 150        | 100       | 300447  |
| 300NS-R56(M) | 0.56uH     | 19               | 0.7              | 25.2              | 145        | 90        | 300456  |
| 300NS-R68(M) | 0.68uH     | 18               | 0.77             | 25.2              | 140        | 80        | 300468  |
| 300NS-R82(M) | 0.82uH     | 17               | 0.86             | 25.2              | 135        | 70        | 300482  |

|              |       |    |      |       |     |      |        |
|--------------|-------|----|------|-------|-----|------|--------|
| 300LS-1R0(K) | 1.0uH | 50 | 0.42 | 7.96  | 250 | 150  | 300010 |
| 300LS-1R2(K) | 1.2uH | 50 | 0.46 | 7.96  | 240 | 120  | 300012 |
| 300LS-1R5(K) | 1.5uH | 50 | 0.49 | 7.96  | 230 | 105  | 300015 |
| 300LS-1R8(K) | 1.8uH | 50 | 0.55 | 7.96  | 220 | 90   | 300018 |
| 300LS-2R2(K) | 2.2uH | 50 | 0.59 | 7.96  | 200 | 80   | 300022 |
| 300LS-2R7(K) | 2.7uH | 50 | 0.68 | 7.96  | 190 | 63   | 300027 |
| 300LS-3R3(K) | 3.3uH | 50 | 0.75 | 7.96  | 180 | 53   | 300033 |
| 300LS-3R9(K) | 3.9uH | 50 | 0.81 | 7.96  | 160 | 45   | 300039 |
| 300LS-4R7(K) | 4.7uH | 50 | 0.89 | 7.96  | 160 | 40   | 300047 |
| 300LS-5R6(K) | 5.6uH | 50 | 0.98 | 7.96  | 150 | 35   | 300056 |
| 300LS-6R8(K) | 6.8uH | 50 | 1.1  | 7.96  | 150 | 30   | 300068 |
| 300LS-8R2(K) | 8.2uH | 50 | 1.2  | 7.96  | 150 | 26   | 300082 |
| 300LS-100(K) | 10uH  | 50 | 1.29 | 2.52  | 145 | 22   | 300100 |
| 300LS-120(K) | 12uH  | 50 | 1.43 | 2.52  | 140 | 19   | 300120 |
| 300LS-150(K) | 15uH  | 50 | 1.56 | 2.52  | 130 | 17   | 300150 |
| 300LS-180(K) | 18uH  | 50 | 1.77 | 2.52  | 125 | 16   | 300180 |
| 300LS-220(J) | 22uH  | 50 | 1.99 | 2.52  | 115 | 14   | 300220 |
| 300LS-270(K) | 27uH  | 50 | 2.21 | 2.52  | 105 | 12   | 300270 |
| 300LS-330(K) | 33uH  | 50 | 2.38 | 2.52  | 100 | 12   | 300330 |
| 300LS-390(K) | 39uH  | 50 | 2.86 | 2.52  | 95  | 10   | 300390 |
| 300LS-470(K) | 47uH  | 50 | 3.19 | 2.52  | 85  | 10   | 300470 |
| 300LS-560(K) | 56uH  | 50 | 3.52 | 2.52  | 85  | 9.6  | 300560 |
| 300LS-680(K) | 68uH  | 50 | 3.92 | 2.52  | 75  | 8.7  | 300680 |
| 300LS-820(K) | 82uH  | 50 | 4.42 | 2.52  | 75  | 7.7  | 300820 |
| 300LS-101(J) | 100uH | 50 | 4.97 | 2.52  | 70  | 6.9  | 300101 |
| 300HS-121(J) | 120uH | 50 | 4.24 | 0.796 | 70  | 6.5  | 300121 |
| 300HS-151(J) | 150uH | 50 | 4.83 | 0.796 | 65  | 5.8  | 300151 |
| 300HS-181(J) | 180uH | 50 | 5.58 | 0.796 | 60  | 5.3  | 300181 |
| 300HS-221(J) | 220uH | 50 | 6.13 | 0.796 | 60  | 4.8  | 300221 |
| 300HS-271(J) | 270uH | 50 | 7.12 | 0.796 | 55  | 4.5  | 300271 |
| 300HS-331(J) | 330uH | 50 | 8.1  | 0.796 | 50  | 4    | 300331 |
| 300HS-391(J) | 390uH | 50 | 10.4 | 0.796 | 50  | 3.4  | 300391 |
| 300HS-471(J) | 470uH | 50 | 11.4 | 0.796 | 45  | 3.1  | 300471 |
| 300SS-561(J) | 560uH | 50 | 12.8 | 0.796 | 45  | 2.02 | 300561 |
| 300SS-681(J) | 680uH | 50 | 16.6 | 0.796 | 40  | 1.93 | 300681 |
| 300SS-821(J) | 820uH | 50 | 16.5 | 0.796 | 40  | 1.78 | 300821 |

|              |        |    |      |       |    |      |        |
|--------------|--------|----|------|-------|----|------|--------|
| 300SS-102(J) | 1000uH | 50 | 18.6 | 0.796 | 40 | 1.62 | 300102 |
|--------------|--------|----|------|-------|----|------|--------|