

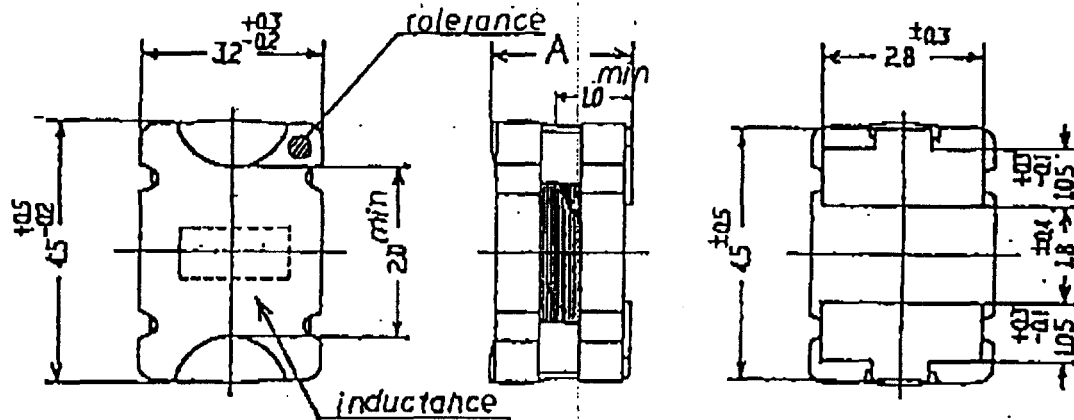
**TOKO, INC.**

**CHIP INDUCTOR  
43FS**

For  
reflow soldering

Customer :

\* Dimensions



(Size A).

3.2 max.

3.5 max.

(Inductance Value)

- 470  $\mu$ H

560-1000  $\mu$ H

\* Marking

Rated Inductance

From 0.1 to 0.82  $\mu$ H, inductance given in the form

RXX, example: 0.33 $\mu$ H = R33

From 1.0 to 8.2  $\mu$ H, inductance given in the form

XXR, example: 3.3 $\mu$ H = 3R3

From 10 to 1000  $\mu$ H, inductance given in the form

XXX,

number of zeros to follow

significant figures

example: 33 $\mu$ H = 330

330 $\mu$ H = 331

1000 $\mu$ H = 102

Inductance Tolerance

(Tolerance)

(Color Dot)

J ( $\pm 5\%$ )

White

K ( $\pm 10\%$ )

None

M ( $\pm 20\%$ )

Pink

\* TOKO00255 \*

**TOKO, INC.**

**Electrical Specifications**

**43 FS**

| Part number    | Inductance $\mu$ H | $Q$ min | and test freq. | DC resistance ( $\Omega$ ) max | S RF (Mhz) min | Rated DC current (mA) max |
|----------------|--------------------|---------|----------------|--------------------------------|----------------|---------------------------|
| 300LS-1R0 M(K) | 1.0                | 50      | at 7.96MHz     | 0.42                           | 150            | 250                       |
| 300LS-1R2 M(K) | 1.2                | 50      |                | 0.46                           | 120            | 240                       |
| 300LS-1R5 M(K) | 1.5                | 50      |                | 0.49                           | 105            | 230                       |
| 300LS-1R8 M(K) | 1.8                | 50      |                | 0.55                           | 90             | 220                       |
| 300LS-2R2 M(K) | 2.2                | 50      |                | 0.59                           | 80             | 200                       |
| 300LS-2R7 M(K) | 2.7                | 50      |                | 0.68                           | 63             | 190                       |
| 300LS-3R3 M(K) | 3.3                | 50      |                | 0.75                           | 53             | 180                       |
| 300LS-3R9 M(K) | 3.9                | 50      |                | 0.81                           | 45             | 160                       |
| 300LS-4R7 M(K) | 4.7                | 50      |                | 0.89                           | 40             | 160                       |
| 300LS-5R6 M(K) | 5.6                | 50      |                | 0.98                           | 35             | 150                       |
| 300LS-6R8 M(K) | 6.8                | 50      |                | 1.10                           | 30             | 150                       |
| 300LS-8R2 M(K) | 8.2                | 50      |                | 1.20                           | 26             | 150                       |
| 300LS-100 M(K) | 10.0               | 50      |                | 1.29                           | 22             | 145                       |
| 300LS-120 K(J) | 12.0               | 50      | at 2.52MHz     | 1.43                           | 19             | 140                       |
| 300LS-150 K(J) | 15.0               | 50      |                | 1.56                           | 17             | 130                       |
| 300LS-180 K(J) | 18.0               | 50      |                | 1.77                           | 16             | 125                       |
| 300LS-220 K(J) | 22.0               | 50      |                | 1.99                           | 14             | 115                       |
| 300LS-270 K(J) | 27.0               | 50      |                | 2.21                           | 12             | 105                       |
| 300LS-330 K(J) | 33.0               | 50      |                | 2.38                           | 12             | 100                       |
| 300LS-390 K(J) | 39.0               | 50      |                | 2.86                           | 10             | 95                        |
| 300LS-470 K(J) | 47.0               | 50      |                | 3.19                           | 10             | 85                        |
| 300LS-560 K(J) | 56.0               | 50      |                | 3.52                           | 9.6            | 85                        |
| 300LS-680 K(J) | 68.0               | 50      |                | 3.92                           | 8.7            | 75                        |
| 300LS-820 K(J) | 82.0               | 50      |                | 4.42                           | 7.7            | 75                        |
| 300LS-101 K(J) | 100                | 50      |                | 4.97                           | 6.9            | 70                        |
| 300HS-121 K(J) | 120                | 50      | at 796KHz      | 4.24                           | 6.5            | 70                        |
| 300HS-151 K(J) | 150                | 50      |                | 4.83                           | 5.8            | 65                        |
| 300HS-181 K(J) | 180                | 50      |                | 5.58                           | 5.3            | 60                        |
| 300HS-221 K(J) | 220                | 50      |                | 6.13                           | 4.8            | 60                        |
| 300HS-271 K(J) | 270                | 50      |                | 7.12                           | 4.5            | 55                        |
| 300HS-331 K(J) | 330                | 50      |                | 8.10                           | 4.0            | 50                        |
| 300HS-391 K(J) | 390                | 50      |                | 10.4                           | 3.4            | 50                        |
| 300HS-471 K(J) | 470                | 50      |                | 11.4                           | 3.1            | 45                        |
| 300SS-561 K(J) | 560                | 50      |                | 12.8                           | 2.02           | 45                        |
| 300SS-681 K(J) | 680                | 50      |                | 14.6                           | 1.93           | 40                        |
| 300SS-821 K(J) | 820                | 50      |                | 16.5                           | 1.78           | 40                        |
| 300SS-102 K(J) | 1000               | 50      |                | 18.6                           | 1.62           | 40                        |