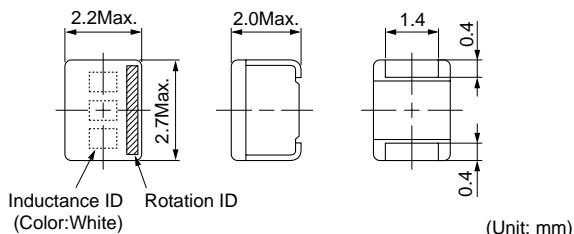


TYPE FSLU2520

For Dip Soldering /Reflow Soldering

Inductance Range: 0.01~220μH

Temperature Coefficient: 750ppm / °C max.



Features

- Wide inductance range from 0.01 to 220μH.
- Superior solderability and high heat-resistance for flow and reflow soldering
- Excellent environmental and mechanical stability.

特 長

- 0.01 ~ 220 μHまでの幅広いインダクタンス範囲
- リフロ、フローはんだ付けが可能
- 角形外装、金属端子構造による高い実装信頼性と優れた機械的、耐候的信頼性

SELECTION GUIDE FOR STANDARD COILS

- (1) Inductance is measured with a LCR meter 4284A (HP) or 4291A (HP)
 (2) DC resistance is measured with a Digital Multimeter TR6871 (Advantest) or equivalent.
 (3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 20°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) インダクタンスはLCRメータ4284A (HP)または4291A (HP)により測定する。
 (2) 直流抵抗はデジタルマルチメータTR6871 (Advantest)または同等品により測定する。
 (3) 最大許容電流は、直流電流を流した時インダクタンスの値が初期値より10%減少する直流電流値、または直流電流により、コイルの温度が20℃上昇のいずれか小さい値です。(周囲温度20℃を基準とする。)

TYPE FSLU2520

| 東光品番 | インダクタンス ⁽¹⁾ | | Q | 測定周波数 | 直流抵抗 ⁽²⁾ | 最大許容電流 ⁽³⁾ | 自己共振周波数 |
|------------------|---------------------------|--------------|--------|----------------------|---------------------------------------|---|------------------------------------|
| TOKO Part Number | Inductance ⁽¹⁾ | | Q min. | Test Frequency (MHz) | DC Resistance ⁽²⁾ (Ω) max. | Rated DC Current ⁽³⁾ (mA) max. | Self-resonant Frequency (MHz) min. |
| | Lo (μH) | Tolerance | | | | | |
| FSLU2520-10NK(M) | 0.010 | ± 10%, ± 20% | 15 | 100 | 0.15 | 730 | 2300 |
| FSLU2520-12NK(M) | 0.012 | ± 10%, ± 20% | 15 | 100 | 0.17 | 690 | 2100 |
| FSLU2520-15NK(M) | 0.015 | ± 10%, ± 20% | 15 | 100 | 0.19 | 660 | 2000 |
| FSLU2520-18NK(M) | 0.018 | ± 10%, ± 20% | 15 | 100 | 0.20 | 600 | 1750 |
| FSLU2520-22NK(M) | 0.022 | ± 10%, ± 20% | 15 | 100 | 0.21 | 550 | 1550 |
| FSLU2520-27NK(M) | 0.027 | ± 10%, ± 20% | 15 | 100 | 0.25 | 520 | 1400 |
| FSLU2520-33NK(M) | 0.033 | ± 10%, ± 20% | 20 | 100 | 0.29 | 480 | 1200 |
| FSLU2520-39NK(M) | 0.039 | ± 10%, ± 20% | 20 | 100 | 0.32 | 460 | 1100 |
| FSLU2520-47NK(M) | 0.047 | ± 10%, ± 20% | 20 | 100 | 0.34 | 440 | 1000 |
| FSLU2520-56NK(M) | 0.056 | ± 10%, ± 20% | 20 | 100 | 0.37 | 420 | 900 |
| FSLU2520-68NK(M) | 0.068 | ± 10%, ± 20% | 20 | 100 | 0.41 | 400 | 850 |
| FSLU2520-82NK(M) | 0.082 | ± 10%, ± 20% | 20 | 100 | 0.42 | 390 | 700 |
| FSLU2520-R10K(M) | 0.10 | ± 10%, ± 20% | 20 | 100 | 0.53 | 380 | 500 |
| FSLU2520-R12K(M) | 0.12 | ± 10%, ± 20% | 30 | 25.2 | 0.25 | 550 | 720 |
| FSLU2520-R15K(M) | 0.15 | ± 10%, ± 20% | 30 | 25.2 | 0.27 | 500 | 570 |

continued from previous page

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TYPE FSLU2520

| 東光品番 | インダクタンス ⁽¹⁾ | | Q | 測定周波数 | 直流抵抗 ⁽²⁾ | 最大許容電流 ⁽³⁾ | 自己共振周波数 |
|------------------------|---------------------------|--------------|-----------|----------------------------|---|---|--|
| TOKO Part Number | Inductance ⁽¹⁾ | | Q min. | Test Frequency (MHz) | DC Resistance ⁽²⁾ (Ω) max. | Rated DC Current ⁽³⁾ (mA) max. | Self-resonant Frequency (MHz) min. |
| | Lo (μH) | Tolerance | | | | | |
| FSLU2520-R18K(M) | 0.18 | ± 10%, ± 20% | 30 | 25.2 | 0.29 | 460 | 540 |
| FSLU2520-R22K(M) | 0.22 | ± 10%, ± 20% | 30 | 25.2 | 0.34 | 430 | 480 |
| FSLU2520-R27K(M) | 0.27 | ± 10%, ± 20% | 30 | 25.2 | 0.38 | 420 | 425 |
| FSLU2520-R33K(M) | 0.33 | ± 10%, ± 20% | 30 | 25.2 | 0.42 | 400 | 360 |
| FSLU2520-R39K(M) | 0.39 | ± 10%, ± 20% | 30 | 25.2 | 0.44 | 375 | 290 |
| FSLU2520-R47K(M) | 0.47 | ± 10%, ± 20% | 30 | 25.2 | 0.49 | 350 | 260 |
| FSLU2520-R56K(M) | 0.56 | ± 10%, ± 20% | 30 | 25.2 | 0.53 | 330 | 230 |
| FSLU2520-R68K(M) | 0.68 | ± 10%, ± 20% | 30 | 25.2 | 0.59 | 320 | 200 |
| FSLU2520-R82K(M) | 0.82 | ± 10%, ± 20% | 30 | 25.2 | 0.65 | 290 | 180 |
| FSLU2520-1R0J(K) | 1.0 | ± 5%, ± 10% | 30 | 7.96 | 0.89 | 250 | 170 |
| FSLU2520-1R2J(K) | 1.2 | ± 5%, ± 10% | 30 | 7.96 | 0.95 | 235 | 150 |
| FSLU2520-1R5J(K) | 1.5 | ± 5%, ± 10% | 30 | 7.96 | 1.1 | 230 | 130 |
| FSLU2520-1R8J(K) | 1.8 | ± 5%, ± 10% | 30 | 7.96 | 1.2 | 220 | 115 |
| FSLU2520-2R2J(K) | 2.2 | ± 5%, ± 10% | 30 | 7.96 | 1.3 | 210 | 105 |
| FSLU2520-2R7J(K) | 2.7 | ± 5%, ± 10% | 30 | 7.96 | 1.4 | 200 | 85 |
| FSLU2520-3R3J(K) | 3.3 | ± 5%, ± 10% | 30 | 7.96 | 1.7 | 190 | 75 |
| FSLU2520-3R9J(K) | 3.9 | ± 5%, ± 10% | 30 | 7.96 | 1.8 | 185 | 70 |
| FSLU2520-4R7J(K) | 4.7 | ± 5%, ± 10% | 30 | 7.96 | 2.2 | 180 | 60 |
| FSLU2520-5R6J(K) | 5.6 | ± 5%, ± 10% | 30 | 7.96 | 2.3 | 175 | 55 |
| FSLU2520-6R8J(K) | 6.8 | ± 5%, ± 10% | 30 | 7.96 | 2.7 | 165 | 50 |
| FSLU2520-8R2J(K) | 8.2 | ± 5%, ± 10% | 30 | 7.96 | 2.9 | 160 | 40 |
| FSLU2520-100J(K) | 10 | ± 5%, ± 10% | 25 | 2.52 | 2.4 | 155 | 33 |
| FSLU2520-120J(K) | 12 | ± 5%, ± 10% | 25 | 2.52 | 2.7 | 150 | 30 |
| FSLU2520-150J(K) | 15 | ± 5%, ± 10% | 25 | 2.52 | 3.1 | 145 | 27 |
| FSLU2520-180J(K) | 18 | ± 5%, ± 10% | 25 | 2.52 | 3.3 | 135 | 24 |
| FSLU2520-220J(K) | 22 | ± 5%, ± 10% | 25 | 2.52 | 3.9 | 125 | 22 |
| FSLU2520-270J(K) | 27 | ± 5%, ± 10% | 25 | 2.52 | 4.3 | 120 | 21 |
| FSLU2520-330J(K) | 33 | ± 5%, ± 10% | 25 | 2.52 | 5.1 | 115 | 20 |
| FSLU2520-390J(K) | 39 | ± 5%, ± 10% | 25 | 2.52 | 5.8 | 90 | 16 |
| FSLU2520-470J(K) | 47 | ± 5%, ± 10% | 25 | 2.52 | 10.0 | 80 | 15 |
| FSLU2520-560J(K) | 56 | ± 5%, ± 10% | 25 | 2.52 | 11.0 | 75 | 13 |
| FSLU2520-680J(K) | 68 | ± 5%, ± 10% | 25 | 2.52 | 12.0 | 70 | 12 |
| FSLU2520-820J(K) | 82 | ± 5%, ± 10% | 25 | 2.52 | 14.0 | 66 | 11 |
| FSLU2520-101J(K) | 100 | ± 5%, ± 10% | 15 | 0.796 | 19.0 | 60 | 10 |
| FSLU2520-121J(K) | 120 | ± 5%, ± 10% | 15 | 0.796 | 20.5 | 52 | 8 |
| FSLU2520-151J(K) | 150 | ± 5%, ± 10% | 15 | 0.796 | 24.5 | 50 | 8 |
| FSLU2520-181J(K) | 180 | ± 5%, ± 10% | 15 | 0.796 | 28.5 | 48 | 7 |
| FSLU2520-221J(K) | 220 | ± 5%, ± 10% | 15 | 0.796 | 31.5 | 45 | 7 |