

## Drum Core Surface Mount Unshielded Power Inductors

### ◆ Features

1. Excellent solderability and high heat resistance.
2. Excellent terminal strength construction.
3. Packed in embossed carrier tape and can be used by automatic mounting machine.



### ◆ Applications

Power supply for VCR,OA equipment ,LCD television set notebook, DC to DC converters, DC to AC inverters etc.



### ◆ Shape & Dimensions



### ◆ Lead Free Part Numbering

SLF 0403 100 M T T

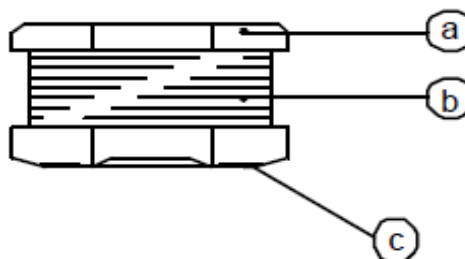
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Inductance: 2R2=2.2 $\mu$ H ;  
100=10 $\mu$ H; 101=100 $\mu$ H
- (4) Inductance Tolerance: K= $\pm$ 10%, M= $\pm$ 20%
- (5) Company Code
- (6) Packaging : packed in embossed carrier tape

| Series Item | SLF0301       | SLF0302       | SLF0403       | SLF0502       | SLF0503       | SLF0504       | SLF0703       | SLF0705       | SLF1004        | SLF1005        |
|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| A (mm)      | 3.5 $\pm$ 0.3 | 3.5 $\pm$ 0.3 | 4.5 $\pm$ 0.3 | 5.8 $\pm$ 0.3 | 5.8 $\pm$ 0.3 | 5.8 $\pm$ 0.3 | 7.8 $\pm$ 0.3 | 7.8 $\pm$ 0.3 | 10.0 $\pm$ 0.3 | 10.0 $\pm$ 0.3 |
| B (mm)      | 3.0 $\pm$ 0.3 | 3.0 $\pm$ 0.3 | 4.0 $\pm$ 0.3 | 5.2 $\pm$ 0.3 | 5.2 $\pm$ 0.3 | 5.2 $\pm$ 0.3 | 7.0 $\pm$ 0.3 | 7.0 $\pm$ 0.3 | 9.0 $\pm$ 0.3  | 9.0 $\pm$ 0.3  |
| C (mm)      | 1.1 $\pm$ 0.3 | 2.1 $\pm$ 0.3 | 3.2 $\pm$ 0.3 | 2.0 $\pm$ 0.3 | 3.0 $\pm$ 0.3 | 4.5 $\pm$ 0.3 | 3.5 $\pm$ 0.3 | 5.0 $\pm$ 0.3 | 4.0 $\pm$ 0.3  | 5.4 $\pm$ 0.3  |
| D (mm)      | 1.0 Typ       | 1.0 Typ       | 1.2 Typ.      | 1.5 Typ.      | 1.5 Typ.      | 1.5 Typ.      | 2.1 Typ.      | 2.1 Typ.      | 2.9 Typ.       | 2.9 Typ.       |

### ◆ Material

| Item        | Material              |
|-------------|-----------------------|
| a. Core     | Ferrite DR Core       |
| b. Wire     | Enamelled Copper wire |
| c. Terminal | Ag+Sn+SnPb            |



## ◆ Note

- (1) Inductance is measured by LCR-meter 4284A/4286A (HP) or equivalent.
- (2) Inductance test condition: SLF0301/0302L/0502:100KHz/1.0V,  
SLF0302/0403/0503/0504/0703/0705/1004/1005: 1.0  $\mu$  H~8.2H:7.96MHz/0.5V,  
10.0  $\mu$  H~82.0  $\mu$  H:2.52MTTHz/0.5V,More than 100.0  $\mu$  H at 1.0KHz/1.0V.
- (3) DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- (4) Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK) at 1.0KHz/1.0V.
- (5) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- (6) Operating temperature -55°C ~ +125°C.
- (7) All test data is referenced to 25°C ambient.

## ◆ Specification

| Part Number            | Inductance ( $\mu$ H) | DCR ( $\Omega$ ) max. | IDC (A) max. |
|------------------------|-----------------------|-----------------------|--------------|
| <b>SLF0301 Series:</b> |                       |                       |              |
| SLF0301-1R0MTT         | 1.00±20%              | 0.083                 | 1.40         |
| SLF0301-1R2MTT         | 1.20±20%              | 0.099                 | 1.24         |
| SLF0301-1R5MTT         | 1.50±20%              | 0.128                 | 1.06         |
| SLF0301-1R8MTT         | 1.80±20%              | 0.145                 | 0.96         |
| SLF0301-2R2MTT         | 2.20±20%              | 0.190                 | 0.88         |
| SLF0301-2R7MTT         | 2.70±20%              | 0.225                 | 0.80         |
| SLF0301-3R3MTT         | 3.30±20%              | 0.270                 | 0.79         |
| SLF0301-3R9MTT         | 3.90±20%              | 0.321                 | 0.68         |
| SLF0301-4R7MTT         | 4.70±20%              | 0.376                 | 0.66         |
| SLF0301-5R6MTT         | 5.60±20%              | 0.393                 | 0.61         |
| SLF0301-6R8MTT         | 6.80±20%              | 0.485                 | 0.56         |
| SLF0301-8R2MTT         | 8.20±20%              | 0.628                 | 0.50         |
| SLF0301-100MTT         | 10.0±20%              | 0.809                 | 0.45         |
| SLF0301-120MTT         | 12.0±20%              | 0.901                 | 0.40         |
| SLF0301-150MTT         | 15.0±20%              | 1.063                 | 0.37         |
| SLF0301-180MTT         | 18.0±20%              | 1.231                 | 0.34         |
| SLF0301-220MTT         | 22.0±20%              | 1.750                 | 0.31         |
| SLF0301-270MTT         | 27.0±20%              | 2.110                 | 0.28         |
| SLF0301-330MTT         | 33.0±20%              | 2.888                 | 0.24         |
| SLF0301-390MTT         | 39.0±20%              | 3.100                 | 0.23         |
| SLF0301-470MTT         | 47.0±20%              | 3.513                 | 0.21         |
| SLF0301-560MTT         | 56.0±20%              | 3.950                 | 0.20         |
| SLF0301-680MTT         | 68.0±20%              | 5.688                 | 0.18         |
| SLF0301-820MTT         | 82.0±20%              | 6.575                 | 0.15         |
| SLF0301-101KTT         | 100.0±10%             | 7.700                 | 0.14         |

## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF0302 Series:</b> |                          |                          |                 |
| SLF0302-1R0MTT         | 1.0 $\pm$ 20%            | 0.040                    | 1.50            |
| SLF0302-1R4MTT         | 1.4 $\pm$ 20%            | 0.050                    | 1.50            |
| SLF0302-1R8MTT         | 1.8 $\pm$ 20%            | 0.060                    | 0.80            |
| SLF0302-2R2MTT         | 2.2 $\pm$ 20%            | 0.080                    | 0.75            |
| SLF0302-2R7MTT         | 2.7 $\pm$ 20%            | 0.100                    | 0.75            |
| SLF0302-3R3MTT         | 3.3 $\pm$ 20%            | 0.150                    | 0.60            |
| SLF0302-3R9MTT         | 3.9 $\pm$ 20%            | 0.200                    | 0.50            |
| SLF0302-4R7MTT         | 4.7 $\pm$ 20%            | 0.200                    | 0.50            |
| SLF0302-5R6MTT         | 5.6 $\pm$ 20%            | 0.230                    | 0.45            |
| SLF0302-6R8MTT         | 6.8 $\pm$ 20%            | 0.250                    | 0.40            |
| SLF0302-8R2MTT         | 8.2 $\pm$ 20%            | 0.300                    | 0.40            |
| SLF0302-100MTT         | 10 $\pm$ 20%             | 0.350                    | 0.35            |
| SLF0302-120MTT         | 12 $\pm$ 20%             | 0.400                    | 0.35            |
| SLF0302-150MTT         | 15 $\pm$ 20%             | 0.500                    | 0.30            |
| SLF0302-180MTT         | 18 $\pm$ 20%             | 0.550                    | 0.30            |
| SLF0302-220MTT         | 22 $\pm$ 20%             | 0.600                    | 0.30            |
| SLF0302-270MTT         | 27 $\pm$ 20%             | 0.700                    | 0.30            |
| SLF0302-330MTT         | 33 $\pm$ 20%             | 1.000                    | 0.25            |
| SLF0302-390MTT         | 39 $\pm$ 20%             | 1.200                    | 0.25            |
| SLF0302-470MTT         | 47 $\pm$ 20%             | 1.500                    | 0.20            |
| SLF0302-560MTT         | 56 $\pm$ 20%             | 1.800                    | 0.20            |
| SLF0302-680MTT         | 68 $\pm$ 20%             | 2.000                    | 0.18            |
| SLF0302-820MTT         | 82 $\pm$ 20%             | 2.500                    | 0.16            |
| SLF0302-101KTT         | 100 $\pm$ 10%            | 3.000                    | 0.15            |
| SLF0302-121KTT         | 120 $\pm$ 10%            | 3.500                    | 0.14            |
| SLF0302-151KTT         | 150 $\pm$ 10%            | 4.000                    | 0.13            |
| SLF0302-181KTT         | 180 $\pm$ 10%            | 5.000                    | 0.12            |
| SLF0302-221KTT         | 220 $\pm$ 10%            | 5.500                    | 0.10            |
| SLF0302-271KTT         | 270 $\pm$ 10%            | 6.000                    | 0.10            |
| SLF0302-331KTT         | 330 $\pm$ 10%            | 7.000                    | 0.10            |
| SLF0302-391KTT         | 390 $\pm$ 10%            | 8.000                    | 0.10            |
| SLF0302-471KTT         | 470 $\pm$ 10%            | 12.000                   | 0.09            |

## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF0403 Series:</b> |                          |                          |                 |
| SLF0403-1R0MTT         | 1.00 $\pm$ 20%           | 0.033                    | 3.80            |
| SLF0403-1R4MTT         | 1.40 $\pm$ 20%           | 0.038                    | 3.30            |
| SLF0403-1R8MTT         | 1.80 $\pm$ 20%           | 0.042                    | 2.91            |
| SLF0403-2R2MTT         | 2.20 $\pm$ 20%           | 0.047                    | 2.60            |
| SLF0403-2R7MTT         | 2.70 $\pm$ 20%           | 0.052                    | 2.43            |
| SLF0403-3R3MTT         | 3.30 $\pm$ 20%           | 0.058                    | 2.15            |
| SLF0403-3R9MTT         | 3.90 $\pm$ 20%           | 0.076                    | 1.98            |
| SLF0403-4R7MTT         | 4.70 $\pm$ 20%           | 0.094                    | 1.70            |
| SLF0403-5R6MTT         | 5.60 $\pm$ 20%           | 0.101                    | 1.60            |
| SLF0403-6R8MTT         | 6.80 $\pm$ 20%           | 0.117                    | 1.41            |
| SLF0403-8R2MTT         | 8.20 $\pm$ 20%           | 0.132                    | 1.26            |
| SLF0403-100MTT         | 10.0 $\pm$ 20%           | 0.182                    | 1.15            |
| SLF0403-120MTT         | 12.0 $\pm$ 20%           | 0.210                    | 1.05            |
| SLF0403-150MTT         | 15.0 $\pm$ 20%           | 0.235                    | 0.92            |
| SLF0403-180MTT         | 18.0 $\pm$ 20%           | 0.338                    | 0.84            |
| SLF0403-220MTT         | 22.0 $\pm$ 20%           | 0.378                    | 0.76            |
| SLF0403-270MTT         | 27.0 $\pm$ 20%           | 0.522                    | 0.71            |
| SLF0403-330MTT         | 33.0 $\pm$ 20%           | 0.540                    | 0.64            |
| SLF0403-390MTT         | 39.0 $\pm$ 20%           | 0.587                    | 0.59            |
| SLF0403-470MTT         | 47.0 $\pm$ 20%           | 0.844                    | 0.54            |
| SLF0403-560MTT         | 56.0 $\pm$ 20%           | 0.937                    | 0.50            |
| SLF0403-680MTT         | 68.0 $\pm$ 20%           | 1.117                    | 0.46            |
| SLF0403-820MTT         | 82.0 $\pm$ 20%           | 1.345                    | 0.45            |
| SLF0403-101KTT         | 100.0 $\pm$ 10%          | 1.520                    | 0.44            |
| SLF0403-121KTT         | 120.0 $\pm$ 10%          | 1.800                    | 0.43            |
| SLF0403-151KTT         | 150.0 $\pm$ 10%          | 2.000                    | 0.42            |
| SLF0403-181KTT         | 180.0 $\pm$ 10%          | 3.200                    | 0.38            |
| SLF0403-221KTT         | 220.0 $\pm$ 10%          | 3.400                    | 0.36            |
| SLF0403-271KTT         | 270.0 $\pm$ 10%          | 3.900                    | 0.34            |
| SLF0403-331KTT         | 330.0 $\pm$ 10%          | 5.300                    | 0.28            |
| SLF0403-391KTT         | 390.0 $\pm$ 10%          | 5.900                    | 0.24            |
| SLF0403-471KTT         | 470.0 $\pm$ 10%          | 6.800                    | 0.21            |
| SLF0403-561KTT         | 560.0 $\pm$ 10%          | 8.500                    | 0.20            |
| SLF0403-681KTT         | 680.0 $\pm$ 10%          | 10.000                   | 0.18            |
| SLF0403-821KTT         | 820.0 $\pm$ 10%          | 13.400                   | 0.15            |
| SLF0403-102KTT         | 1000.0 $\pm$ 10%         | 15.600                   | 0.14            |

## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF0502 Series:</b> |                          |                          |                 |
| SLF0502-1R0MTT         | 1.00 $\pm$ 20%           | 0.045                    | 4.50            |
| SLF0502-1R2MTT         | 1.20 $\pm$ 20%           | 0.050                    | 4.20            |
| SLF0502-1R5MTT         | 1.50 $\pm$ 20%           | 0.060                    | 4.00            |
| SLF0502-1R8MTT         | 1.80 $\pm$ 20%           | 0.065                    | 3.70            |
| SLF0502-2R2MTT         | 2.20 $\pm$ 20%           | 0.070                    | 3.50            |
| SLF0502-2R7MTT         | 2.70 $\pm$ 20%           | 0.080                    | 3.20            |
| SLF0502-3R3MTT         | 3.30 $\pm$ 20%           | 0.100                    | 2.70            |
| SLF0502-3R9MTT         | 3.90 $\pm$ 20%           | 0.120                    | 2.40            |
| SLF0502-4R7MTT         | 4.70 $\pm$ 20%           | 0.140                    | 2.00            |
| SLF0502-5R6MTT         | 5.60 $\pm$ 20%           | 0.150                    | 1.80            |
| SLF0502-6R8MTT         | 6.80 $\pm$ 20%           | 0.160                    | 1.50            |
| SLF0502-8R2MTT         | 8.20 $\pm$ 20%           | 0.170                    | 1.40            |
| SLF0502-100MTT         | 10.0 $\pm$ 20%           | 0.200                    | 1.30            |
| SLF0502-120MTT         | 12.0 $\pm$ 20%           | 0.230                    | 1.10            |
| SLF0502-150MTT         | 15.0 $\pm$ 20%           | 0.250                    | 1.05            |
| SLF0502-180MTT         | 18.0 $\pm$ 20%           | 0.300                    | 1.00            |
| SLF0502-220MTT         | 22.0 $\pm$ 20%           | 0.350                    | 0.90            |
| SLF0502-270MTT         | 27.0 $\pm$ 20%           | 0.400                    | 0.85            |
| SLF0502-330MTT         | 33.0 $\pm$ 20%           | 0.500                    | 0.75            |
| SLF0502-390MTT         | 39.0 $\pm$ 20%           | 0.550                    | 0.70            |
| SLF0502-470MTT         | 47.0 $\pm$ 20%           | 0.650                    | 0.60            |
| SLF0502-560MTT         | 56.0 $\pm$ 20%           | 0.750                    | 0.55            |
| SLF0502-680MTT         | 68.0 $\pm$ 20%           | 0.950                    | 0.50            |
| SLF0502-820MTT         | 82.0 $\pm$ 20%           | 1.200                    | 0.45            |
| SLF0502-101KTT         | 100.0 $\pm$ 10%          | 1.400                    | 0.40            |
| SLF0502-121KTT         | 120.0 $\pm$ 10%          | 1.750                    | 0.35            |
| SLF0502-151KTT         | 150.0 $\pm$ 10%          | 2.000                    | 0.25            |
| SLF0502-181KTT         | 180.0 $\pm$ 10%          | 2.600                    | 0.22            |
| SLF0502-221KTT         | 220.0 $\pm$ 10%          | 3.000                    | 0.20            |
| SLF0502-271KTT         | 270.0 $\pm$ 10%          | 3.700                    | 0.18            |
| SLF0502-331KTT         | 330.0 $\pm$ 10%          | 4.300                    | 0.17            |
| SLF0502-391KTT         | 390.0 $\pm$ 10%          | 6.000                    | 0.16            |
| SLF0502-471KTT         | 470.0 $\pm$ 10%          | 6.700                    | 0.15            |
| SLF0502-561KTT         | 560.0 $\pm$ 10%          | 8.150                    | 0.14            |
| SLF0502-681KTT         | 680.0 $\pm$ 10%          | 8.980                    | 0.13            |
| SLF0502-821KTT         | 820.0 $\pm$ 10%          | 11.240                   | 0.12            |
| SLF0502-102KTT         | 1000.0 $\pm$ 10%         | 15.250                   | 0.11            |
| SLF0502-122KTT         | 1200.0 $\pm$ 10%         | 16.750                   | 0.10            |

## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF0503 Series:</b> |                          |                          |                 |
| SLF0503-1R0MTT         | 1.00 $\pm$ 20%           | 0.030                    | 4.50            |
| SLF0503-1R2MTT         | 1.20 $\pm$ 20%           | 0.030                    | 4.20            |
| SLF0503-1R5MTT         | 1.50 $\pm$ 20%           | 0.030                    | 4.10            |
| SLF0503-1R8MTT         | 1.80 $\pm$ 20%           | 0.030                    | 3.70            |
| SLF0503-2R2MTT         | 2.20 $\pm$ 20%           | 0.030                    | 3.50            |
| SLF0503-2R7MTT         | 2.70 $\pm$ 20%           | 0.040                    | 3.20            |
| SLF0503-3R3MTT         | 3.30 $\pm$ 20%           | 0.050                    | 2.80            |
| SLF0503-3R9MTT         | 3.90 $\pm$ 20%           | 0.060                    | 2.60            |
| SLF0503-4R7MTT         | 4.70 $\pm$ 20%           | 0.070                    | 2.50            |
| SLF0503-5R6MTT         | 5.60 $\pm$ 20%           | 0.080                    | 2.40            |
| SLF0503-6R8MTT         | 6.80 $\pm$ 20%           | 0.090                    | 2.20            |
| SLF0503-8R2MTT         | 8.20 $\pm$ 20%           | 0.100                    | 2.00            |
| SLF0503-100MTT         | 10.0 $\pm$ 20%           | 0.120                    | 1.80            |
| SLF0503-120MTT         | 12.0 $\pm$ 20%           | 0.130                    | 1.75            |
| SLF0503-150MTT         | 15.0 $\pm$ 20%           | 0.150                    | 1.70            |
| SLF0503-180MTT         | 18.0 $\pm$ 20%           | 0.180                    | 1.60            |
| SLF0503-220MTT         | 22.0 $\pm$ 20%           | 0.220                    | 1.50            |
| SLF0503-270MTT         | 27.0 $\pm$ 20%           | 0.240                    | 1.40            |
| SLF0503-330MTT         | 33.0 $\pm$ 20%           | 0.300                    | 1.10            |
| SLF0503-390MTT         | 39.0 $\pm$ 20%           | 0.400                    | 1.00            |
| SLF0503-470MTT         | 47.0 $\pm$ 20%           | 0.430                    | 0.90            |
| SLF0503-560MTT         | 56.0 $\pm$ 20%           | 0.500                    | 0.85            |
| SLF0503-680MTT         | 68.0 $\pm$ 20%           | 0.600                    | 0.80            |
| SLF0503-820MTT         | 82.0 $\pm$ 20%           | 0.800                    | 0.65            |
| SLF0503-101KTT         | 100.0 $\pm$ 10%          | 0.900                    | 0.60            |
| SLF0503-121KTT         | 120.0 $\pm$ 10%          | 1.000                    | 0.58            |
| SLF0503-151KTT         | 150.0 $\pm$ 10%          | 1.300                    | 0.43            |
| SLF0503-181KTT         | 180.0 $\pm$ 10%          | 1.500                    | 0.41            |
| SLF0503-221KTT         | 220.0 $\pm$ 10%          | 2.000                    | 0.38            |
| SLF0503-271KTT         | 270.0 $\pm$ 10%          | 2.500                    | 0.35            |
| SLF0503-331KTT         | 330.0 $\pm$ 10%          | 3.200                    | 0.28            |
| SLF0503-391KTT         | 390.0 $\pm$ 10%          | 3.500                    | 0.26            |
| SLF0503-471KTT         | 470.0 $\pm$ 10%          | 4.200                    | 0.20            |
| SLF0503-561KTT         | 560.0 $\pm$ 10%          | 4.500                    | 0.19            |
| SLF0503-681KTT         | 680.0 $\pm$ 10%          | 6.000                    | 0.18            |
| SLF0503-821KTT         | 820.0 $\pm$ 10%          | 6.500                    | 0.15            |
| SLF0503-102KTT         | 1000.0 $\pm$ 10%         | 8.000                    | 0.13            |
| SLF0503-122KTT         | 1200.0 $\pm$ 10%         | 12.500                   | 0.12            |

## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF0504 Series:</b> |                          |                          |                 |
| SLF0504-1R0MTT         | 1.00 $\pm$ 20%           | 0.015                    | 5.900           |
| SLF0504-1R2MTT         | 1.20 $\pm$ 20%           | 0.020                    | 5.200           |
| SLF0504-1R5MTT         | 1.50 $\pm$ 20%           | 0.025                    | 4.700           |
| SLF0504-1R8MTT         | 1.80 $\pm$ 20%           | 0.030                    | 4.000           |
| SLF0504-2R2MTT         | 2.20 $\pm$ 20%           | 0.035                    | 3.800           |
| SLF0504-2R7MTT         | 2.70 $\pm$ 20%           | 0.040                    | 3.400           |
| SLF0504-3R3MTT         | 3.30 $\pm$ 20%           | 0.045                    | 3.300           |
| SLF0504-3R9MTT         | 3.90 $\pm$ 20%           | 0.050                    | 2.900           |
| SLF0504-4R7MTT         | 4.70 $\pm$ 20%           | 0.060                    | 2.800           |
| SLF0504-5R6MTT         | 5.60 $\pm$ 20%           | 0.070                    | 2.400           |
| SLF0504-6R8MTT         | 6.80 $\pm$ 20%           | 0.080                    | 2.100           |
| SLF0504-8R2MTT         | 8.20 $\pm$ 20%           | 0.090                    | 2.000           |
| SLF0504-100MTT         | 10.0 $\pm$ 20%           | 0.100                    | 1.440           |
| SLF0504-120MTT         | 12.0 $\pm$ 20%           | 0.120                    | 1.400           |
| SLF0504-150MTT         | 15.0 $\pm$ 20%           | 0.140                    | 1.300           |
| SLF0504-180MTT         | 18.0 $\pm$ 20%           | 0.150                    | 1.230           |
| SLF0504-220MTT         | 22.0 $\pm$ 20%           | 0.180                    | 1.110           |
| SLF0504-270MTT         | 27.0 $\pm$ 20%           | 0.200                    | 0.970           |
| SLF0504-330MTT         | 33.0 $\pm$ 20%           | 0.230                    | 0.880           |
| SLF0504-390MTT         | 39.0 $\pm$ 20%           | 0.320                    | 0.800           |
| SLF0504-470MTT         | 47.0 $\pm$ 20%           | 0.370                    | 0.720           |
| SLF0504-560MTT         | 56.0 $\pm$ 20%           | 0.420                    | 0.680           |
| SLF0504-680MTT         | 68.0 $\pm$ 20%           | 0.460                    | 0.610           |
| SLF0504-820MTT         | 82.0 $\pm$ 20%           | 0.600                    | 0.580           |
| SLF0504-101MTT         | 100.0 $\pm$ 20%          | 0.700                    | 0.520           |
| SLF0504-121MTT         | 120.0 $\pm$ 20%          | 0.930                    | 0.480           |
| SLF0504-151MTT         | 150.0 $\pm$ 20%          | 1.100                    | 0.400           |
| SLF0504-181MTT         | 180.0 $\pm$ 20%          | 1.380                    | 0.380           |
| SLF0504-221MTT         | 220.0 $\pm$ 20%          | 1.570                    | 0.350           |
| SLF0504-271KTT         | 270.0 $\pm$ 10%          | 1.650                    | 0.320           |
| SLF0504-331KTT         | 330.0 $\pm$ 10%          | 1.700                    | 0.280           |
| SLF0504-391KTT         | 390.0 $\pm$ 10%          | 1.800                    | 0.260           |
| SLF0504-471KTT         | 470.0 $\pm$ 10%          | 2.300                    | 0.230           |
| SLF0504-561KTT         | 560.0 $\pm$ 10%          | 2.500                    | 0.200           |
| SLF0504-681KTT         | 680.0 $\pm$ 10%          | 3.000                    | 0.190           |
| SLF0504-821KTT         | 820.0 $\pm$ 10%          | 4.500                    | 0.160           |
| SLF0504-102KTT         | 1000.0 $\pm$ 10%         | 4.800                    | 0.140           |

## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF0703 Series:</b> |                          |                          |                 |
| SLF0703-1R0MTT         | 1.00 $\pm$ 20%           | 0.030                    | 8.85            |
| SLF0703-1R2MTT         | 1.20 $\pm$ 20%           | 0.040                    | 7.85            |
| SLF0703-1R5MTT         | 1.50 $\pm$ 20%           | 0.050                    | 6.96            |
| SLF0703-1R8MTT         | 1.80 $\pm$ 20%           | 0.050                    | 5.46            |
| SLF0703-2R2MTT         | 2.20 $\pm$ 20%           | 0.050                    | 4.88            |
| SLF0703-2R7MTT         | 2.70 $\pm$ 20%           | 0.060                    | 4.32            |
| SLF0703-3R3MTT         | 3.30 $\pm$ 20%           | 0.060                    | 3.71            |
| SLF0703-3R9MTT         | 3.90 $\pm$ 20%           | 0.060                    | 3.70            |
| SLF0703-4R7MTT         | 4.70 $\pm$ 20%           | 0.070                    | 3.52            |
| SLF0703-5R6MTT         | 5.60 $\pm$ 20%           | 0.070                    | 2.86            |
| SLF0703-6R8MTT         | 6.80 $\pm$ 20%           | 0.080                    | 2.55            |
| SLF0703-8R2MTT         | 8.20 $\pm$ 20%           | 0.080                    | 2.44            |
| SLF0703-100MTT         | 10.0 $\pm$ 20%           | 0.080                    | 1.44            |
| SLF0703-120MTT         | 12.0 $\pm$ 20%           | 0.090                    | 1.39            |
| SLF0703-150MTT         | 15.0 $\pm$ 20%           | 0.100                    | 1.24            |
| SLF0703-180MTT         | 18.0 $\pm$ 20%           | 0.110                    | 1.12            |
| SLF0703-220MTT         | 22.0 $\pm$ 20%           | 0.130                    | 1.07            |
| SLF0703-270MTT         | 27.0 $\pm$ 20%           | 0.150                    | 0.94            |
| SLF0703-330MTT         | 33.0 $\pm$ 20%           | 0.170                    | 0.85            |
| SLF0703-390MTT         | 39.0 $\pm$ 20%           | 0.220                    | 0.74            |
| SLF0703-470MTT         | 47.0 $\pm$ 20%           | 0.250                    | 0.68            |
| SLF0703-560MTT         | 56.0 $\pm$ 20%           | 0.280                    | 0.64            |
| SLF0703-680MTT         | 68.0 $\pm$ 20%           | 0.330                    | 0.59            |
| SLF0703-820MTT         | 82.0 $\pm$ 20%           | 0.410                    | 0.54            |
| SLF0703-101KTT         | 100.0 $\pm$ 10%          | 0.480                    | 0.51            |
| SLF0703-121KTT         | 120.0 $\pm$ 10%          | 0.540                    | 0.49            |
| SLF0703-151KTT         | 150.0 $\pm$ 10%          | 0.750                    | 0.40            |
| SLF0703-181KTT         | 180.0 $\pm$ 10%          | 1.020                    | 0.36            |
| SLF0703-221KTT         | 220.0 $\pm$ 10%          | 1.200                    | 0.31            |
| SLF0703-271KTT         | 270.0 $\pm$ 10%          | 1.310                    | 0.29            |
| SLF0703-331KTT         | 330.0 $\pm$ 10%          | 1.500                    | 0.28            |
| SLF0703-391KTT         | 390.0 $\pm$ 10%          | 1.800                    | 0.26            |
| SLF0703-471KTT         | 470.0 $\pm$ 10%          | 1.950                    | 0.23            |
| SLF0703-561KTT         | 560.0 $\pm$ 10%          | 2.300                    | 0.21            |
| SLF0703-681KTT         | 680.0 $\pm$ 10%          | 2.700                    | 0.13            |
| SLF0703-821KTT         | 820.0 $\pm$ 10%          | 3.200                    | 0.11            |
| SLF0703-102KTT         | 1000.0 $\pm$ 10%         | 3.800                    | 0.08            |



## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF0705 Series:</b> |                          |                          |                 |
| SLF0705-1R0MTT         | 1.00 $\pm$ 20%           | 0.030                    | 11.25           |
| SLF0705-1R2MTT         | 1.20 $\pm$ 20%           | 0.030                    | 9.87            |
| SLF0705-1R5MTT         | 1.50 $\pm$ 20%           | 0.040                    | 8.35            |
| SLF0705-1R8MTT         | 1.80 $\pm$ 20%           | 0.040                    | 7.12            |
| SLF0705-2R2MTT         | 2.20 $\pm$ 20%           | 0.050                    | 6.52            |
| SLF0705-2R7MTT         | 2.70 $\pm$ 20%           | 0.060                    | 6.06            |
| SLF0705-3R3MTT         | 3.30 $\pm$ 20%           | 0.060                    | 5.26            |
| SLF0705-3R9MTT         | 3.90 $\pm$ 20%           | 0.060                    | 4.68            |
| SLF0705-4R7MTT         | 4.70 $\pm$ 20%           | 0.070                    | 4.54            |
| SLF0705-5R6MTT         | 5.60 $\pm$ 20%           | 0.070                    | 4.25            |
| SLF0705-6R8MTT         | 6.80 $\pm$ 20%           | 0.070                    | 3.45            |
| SLF0705-8R2MTT         | 8.20 $\pm$ 20%           | 0.070                    | 3.10            |
| SLF0705-100MTT         | 10.0 $\pm$ 20%           | 0.070                    | 2.30            |
| SLF0705-120MTT         | 12.0 $\pm$ 20%           | 0.080                    | 2.00            |
| SLF0705-150MTT         | 15.0 $\pm$ 20%           | 0.090                    | 1.80            |
| SLF0705-180MTT         | 18.0 $\pm$ 20%           | 0.100                    | 1.60            |
| SLF0705-220MTT         | 22.0 $\pm$ 20%           | 0.110                    | 1.50            |
| SLF0705-270MTT         | 27.0 $\pm$ 20%           | 0.120                    | 1.30            |
| SLF0705-330MTT         | 33.0 $\pm$ 20%           | 0.130                    | 1.20            |
| SLF0705-390MTT         | 39.0 $\pm$ 20%           | 0.160                    | 1.10            |
| SLF0705-470MTT         | 47.0 $\pm$ 20%           | 0.180                    | 1.10            |
| SLF0705-560MTT         | 56.0 $\pm$ 20%           | 0.240                    | 0.94            |
| SLF0705-680MTT         | 68.0 $\pm$ 20%           | 0.280                    | 0.85            |
| SLF0705-820MTT         | 82.0 $\pm$ 20%           | 0.370                    | 0.78            |
| SLF0705-101KTT         | 100.0 $\pm$ 10%          | 0.430                    | 0.72            |
| SLF0705-121KTT         | 120.0 $\pm$ 10%          | 0.470                    | 0.66            |
| SLF0705-151KTT         | 150.0 $\pm$ 10%          | 0.640                    | 0.58            |
| SLF0705-181KTT         | 180.0 $\pm$ 10%          | 0.710                    | 0.51            |
| SLF0705-221KTT         | 220.0 $\pm$ 10%          | 0.960                    | 0.49            |
| SLF0705-271KTT         | 270.0 $\pm$ 10%          | 1.110                    | 0.42            |
| SLF0705-331KTT         | 330.0 $\pm$ 10%          | 1.260                    | 0.40            |
| SLF0705-391KTT         | 390.0 $\pm$ 10%          | 1.770                    | 0.36            |
| SLF0705-471KTT         | 470.0 $\pm$ 10%          | 1.960                    | 0.34            |
| SLF0705-561KTT         | 560.0 $\pm$ 10%          | 2.000                    | 0.33            |
| SLF0705-681KTT         | 680.0 $\pm$ 10%          | 2.200                    | 0.32            |
| SLF0705-821KTT         | 820.0 $\pm$ 10%          | 2.900                    | 0.25            |
| SLF0705-102KTT         | 1000.0 $\pm$ 10%         | 3.900                    | 0.20            |

## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF1004 Series:</b> |                          |                          |                 |
| SLF1004-1R0MTT         | 1.00 $\pm$ 20%           | 0.020                    | 12.25           |
| SLF1004-1R5MTT         | 1.50 $\pm$ 20%           | 0.030                    | 9.86            |
| SLF1004-2R2MTT         | 2.20 $\pm$ 20%           | 0.030                    | 7.48            |
| SLF1004-3R3MTT         | 3.30 $\pm$ 20%           | 0.040                    | 6.21            |
| SLF1004-4R7MTT         | 4.70 $\pm$ 20%           | 0.040                    | 5.43            |
| SLF1004-6R8MTT         | 6.80 $\pm$ 20%           | 0.053                    | 4.56            |
| SLF1004-100MTT         | 10.0 $\pm$ 20%           | 0.053                    | 2.38            |
| SLF1004-120MTT         | 12.0 $\pm$ 20%           | 0.061                    | 2.13            |
| SLF1004-150MTT         | 15.0 $\pm$ 20%           | 0.070                    | 1.87            |
| SLF1004-180MTT         | 18.0 $\pm$ 20%           | 0.081                    | 1.73            |
| SLF1004-220MTT         | 22.0 $\pm$ 20%           | 0.088                    | 1.60            |
| SLF1004-270MTT         | 27.0 $\pm$ 20%           | 0.100                    | 1.44            |
| SLF1004-330MTT         | 33.0 $\pm$ 20%           | 0.120                    | 1.26            |
| SLF1004-390MTT         | 39.0 $\pm$ 20%           | 0.151                    | 1.20            |
| SLF1004-470MTT         | 47.0 $\pm$ 20%           | 0.170                    | 1.10            |
| SLF1004-560MTT         | 56.0 $\pm$ 20%           | 0.199                    | 1.01            |
| SLF1004-680MTT         | 68.0 $\pm$ 20%           | 0.223                    | 0.91            |
| SLF1004-820MTT         | 82.0 $\pm$ 20%           | 0.252                    | 0.85            |
| SLF1004-101KTT         | 100.0 $\pm$ 10%          | 0.344                    | 0.74            |
| SLF1004-121KTT         | 120.0 $\pm$ 10%          | 0.396                    | 0.69            |
| SLF1004-151KTT         | 150.0 $\pm$ 10%          | 0.544                    | 0.61            |
| SLF1004-181KTT         | 180.0 $\pm$ 10%          | 0.621                    | 0.56            |
| SLF1004-221KTT         | 220.0 $\pm$ 10%          | 0.721                    | 0.53            |
| SLF1004-271KTT         | 270.0 $\pm$ 10%          | 0.949                    | 0.45            |
| SLF1004-331KTT         | 330.0 $\pm$ 10%          | 1.100                    | 0.42            |
| SLF1004-391KTT         | 390.0 $\pm$ 10%          | 1.245                    | 0.38            |
| SLF1004-471KTT         | 470.0 $\pm$ 10%          | 1.526                    | 0.35            |
| SLF1004-561KTT         | 560.0 $\pm$ 10%          | 1.904                    | 0.32            |
| SLF1004-681KTT         | 680.0 $\pm$ 10%          | 2.200                    | 0.31            |
| SLF1004-821KTT         | 820.0 $\pm$ 10%          | 2.700                    | 0.30            |

## ◆ Specification

| Part Number            | Inductance<br>( $\mu$ H) | DCR<br>( $\Omega$ ) max. | IDC<br>(A) max. |
|------------------------|--------------------------|--------------------------|-----------------|
| <b>SLF1004 Series:</b> |                          |                          |                 |
| SLF1005-1R0MTT         | 1.00 $\pm$ 20%           | 0.010                    | 15.35           |
| SLF1005-1R5MTT         | 1.50 $\pm$ 20%           | 0.020                    | 11.58           |
| SLF1005-2R2MTT         | 2.20 $\pm$ 20%           | 0.020                    | 9.24            |
| SLF1005-3R3MTT         | 3.30 $\pm$ 20%           | 0.030                    | 7.36            |
| SLF1005-4R7MTT         | 4.70 $\pm$ 20%           | 0.030                    | 5.67            |
| SLF1005-6R8MTT         | 6.80 $\pm$ 20%           | 0.040                    | 4.52            |
| SLF1005-100MTT         | 10.0 $\pm$ 20%           | 0.060                    | 2.60            |
| SLF1005-150MTT         | 15.0 $\pm$ 20%           | 0.080                    | 2.27            |
| SLF1005-220MTT         | 22.0 $\pm$ 20%           | 0.100                    | 1.95            |
| SLF1005-330MTT         | 33.0 $\pm$ 20%           | 0.120                    | 1.50            |
| SLF1005-470MTT         | 47.0 $\pm$ 20%           | 0.170                    | 1.28            |
| SLF1005-560MTT         | 56.0 $\pm$ 20%           | 0.190                    | 1.17            |
| SLF1005-680MTT         | 68.0 $\pm$ 20%           | 0.220                    | 1.11            |
| SLF1005-820MTT         | 82.0 $\pm$ 20%           | 0.250                    | 1.00            |
| SLF1005-101KTT         | 100.0 $\pm$ 10%          | 0.350                    | 0.97            |
| SLF1005-121KTT         | 120.0 $\pm$ 10%          | 0.400                    | 0.89            |
| SLF1005-151KTT         | 150.0 $\pm$ 10%          | 0.470                    | 0.78            |
| SLF1005-181KTT         | 180.0 $\pm$ 10%          | 0.630                    | 0.72            |
| SLF1005-221KTT         | 220.0 $\pm$ 10%          | 0.730                    | 0.66            |
| SLF1005-271KTT         | 270.0 $\pm$ 10%          | 0.970                    | 0.57            |
| SLF1005-331KTT         | 330.0 $\pm$ 10%          | 1.150                    | 0.52            |
| SLF1005-391KTT         | 390.0 $\pm$ 10%          | 1.300                    | 0.48            |
| SLF1005-471KTT         | 470.0 $\pm$ 10%          | 1.480                    | 0.42            |
| SLF1005-561KTT         | 560.0 $\pm$ 10%          | 1.900                    | 0.33            |
| SLF1005-681KTT         | 680.0 $\pm$ 10%          | 2.250                    | 0.28            |
| SLF1005-821KTT         | 820.0 $\pm$ 10%          | 2.550                    | 0.24            |

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