

Radial Lead Inductors(Coils) For Power Line

Conformity to RoHS Directive

SL Series SL1923

FEATURES

- This is a low Rdc, best for the power supply line.
- There is a series of many types from low inductance to high inductance in large current.
- It is a product conforming to RoHS directive.

APPLICATIONS

Televisions, CRT displays, printers, and various types of electronic products.

SPECIFICATIONS

| Operating temperature range | –40 to +85°C | | |
|-----------------------------|-----------------------------------|--|--|
| | [Including self-temperature rise] | | |
| Storage temperature range | -40 to +85°C [Unit of products] | | |
| Terminal strength | 9.8N min. | | |
| Flow soldering condition | 260°C /10 seconds | | |

PRODUCT IDENTIFICATION

| SL | 1923 | - 471 | Κ | 1R5 | - PF |
|-----|------|-------|-----|-----|------|
| (1) | (2) | (3) | (4) | (5) | (6) |

(1)Series name

(2)Dimensions

| Туре | Dimension | Lead pitch |
|------|--------------|------------|
| 1923 | ø18.8×23.5mm | 10mm |

(3)Inductance value

| 471 | 470μΗ | |
|-----|--------|--|
| 102 | 1000μΗ | |

(4)Inductance tolerance

| • | | |
|---|---|------|
| | K | +10% |

(5)Rated current

| 1R5 | 1.5A | |
|-----|-------|--|
| R26 | 0.26A | |

(6)Lead-free compatible product

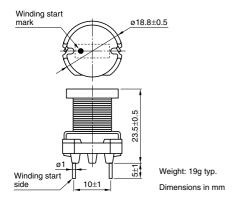
PACKAGING STYLE AND QUANTITIES

| Packaging style | Quantity |
|-----------------|-----------------|
| Bulk | 100 pieces/tray |
| | |

[•] Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.



SHAPES AND DIMENSIONS





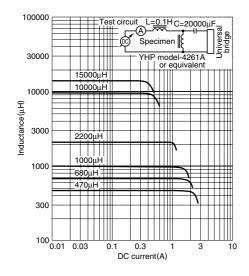
ELECTRICAL CHARACTERISTICS

| Industance | Inductance tolerance | DC resistance | Rated current(A)*max. | | |
|--------------------|-------------------------|-----------------|----------------------------|---------------------------|-------------------|
| Inductance (μH) | | (Ω) max. | Based on inductance change | Based on temperature rise | Part No. |
| 470 | ±10% | 0.2 | 2.1 | 1.5 | SL1923-471K1R5-PF |
| 680 | ±10% | 0.29 | 1.8 | 1.3 | SL1923-681K1R3-PF |
| 1000 | ±10% | 0.41 | 1.4 | 1.1 | SL1923-102K1R1-PF |
| 2200 | ±10% | 1 | 1 | 0.7 | SL1923-222KR70-PF |
| 10000 | ±10% | 4.3 | 0.46 | 0.33 | SL1923-103KR33-PF |
| 15000 | ±10% | 7.1 | 0.38 | 0.26 | SL1923-153KR26-PF |

 $^{^{\}ast}$ Rated current: Value obtained when current flows and self-temperature has risen to 25 $^{\circ}\text{C}.$

Rdc: MILLIOHM METER VP-2941A MATSUSHITA, or equivalent

TYPICAL ELECTRICAL CHARACTERISTICS INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS



[•] Test equipment Inductance:LCR METER YHP4261A, or equivalent

[•] All specifications are subject to change without notice.