

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 K 1R5 - PF
(1) (2) (3) (4) (5) (6)

(1)Series name

(2)Dimensions

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

(3)Inductance value

| | |
|-----|--------|
| 471 | 470μH |
| 102 | 1000μH |

(4)Inductance tolerance

| | |
|---|------|
| K | ±10% |
|---|------|

(5)Rated current

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

(6)Lead-free compatible product

| | |
|----|------------------------------|
| PF | Lead-free compatible product |
|----|------------------------------|

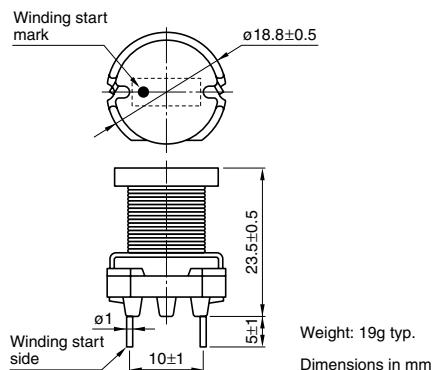
PACKAGING STYLE AND QUANTITIES

| 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.

- All specifications are subject to change without notice.

SHAPES AND DIMENSIONS



ELECTRICAL CHARACTERISTICS

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

* Rated current: Value obtained when current flows and self-temperature has risen to 25°C.

• Test equipment Inductance:LCR METER YHP4261A, or equivalent

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

TYPICAL ELECTRICAL CHARACTERISTICS INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS

