

Radial Lead Inductors(Coils) For Power Line

Conformity to RoHS Directive

SL Series SL2125

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 2125 - 102 K 1R3 - PF
(1) (2) (3) (4) (5) (6)

(1)Series name

(2)Dimensions

| Type | Dimension | Lead pitch |
|------|--------------|------------|
| 2125 | ø20.8×25.5mm | 10mm |

(3)Inductance value

| | |
|-----|---------|
| 102 | 1000µH |
| 103 | 10000µH |

(4)Inductance tolerance

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

(5)Rated current

| | |
|-----|-------|
| 1R3 | 1.3A |
| R41 | 0.41A |

(6)Lead-free compatible product

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

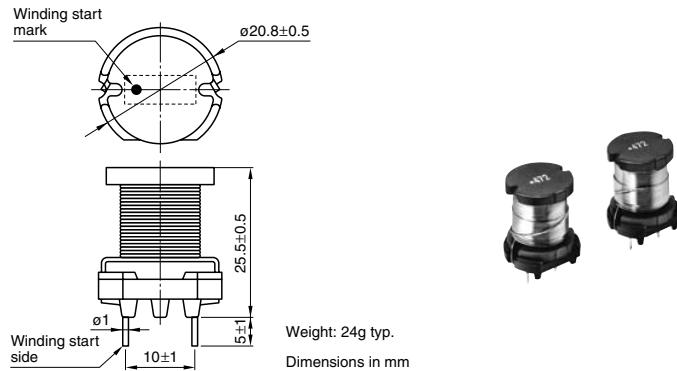
PACKAGING STYLE AND QUANTITIES

| 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 | Test frequency L (kHz) | DC resistance (Ω)max. | Rated current(A)*max. Based on inductance change | Rated current(A)*max. Based on temperature rise | Part No. |
|--------------------------|-------------------------|------------------------------|-----------------------------------|--|---|-------------------|
| 1000 | ±10% | 1 | 0.35 | 1.7 | 1.3 | SL2125-102K1R3-PF |
| 1500 | ±10% | 1 | 0.61 | 1.3 | 0.99 | SL2125-152KR99-PF |
| 2200 | ±10% | 1 | 0.78 | 1.1 | 0.87 | SL2125-222KR87-PF |
| 3300 | ±10% | 1 | 1.15 | 0.95 | 0.72 | SL2125-332KR72-PF |
| 4700 | ±10% | 1 | 1.71 | 0.78 | 0.59 | SL2125-472KR59-PF |
| 6800 | ±10% | 1 | 2.61 | 0.66 | 0.47 | SL2125-682KR47-PF |
| 10000 | ±10% | 1 | 3.41 | 0.55 | 0.41 | SL2125-103KR41-PF |

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

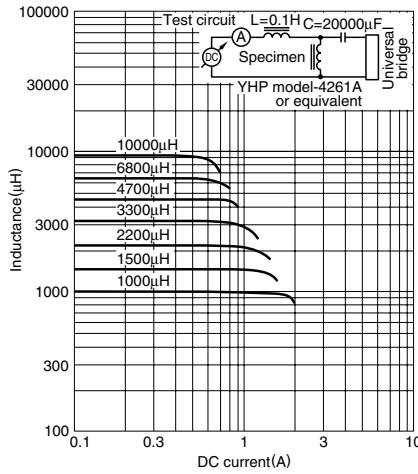
• Test equipment Inductance: LCR METER YHP4261A, or equivalent

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

TYPICAL ELECTRICAL CHARACTERISTICS

INDUCTANCE CHANGE vs. DC SUPERPOSITION

CHARACTERISTICS



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