Inductors

For Power Line
Radial

SL Series SL1923 Type

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.

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.*

* Only for lead type specification. Wire type's specification depends on the vibration test.

PRODUCT IDENTIFICATION

SL	1215	-	100	K	3R6
(1)	(2)		(3)	(4)	(5)

(1)Series name

(2)Dimensions

Type	Dimension	Lead pitch
1215	ø12×14.5mm	11mm (10 to 100µH for wire type)
		7.5mm (150 to 5600µH for lead type)
1720	ø16.9×20.5mm	10mm (lead type)
1923	ø18.8×23.5mm	10mm (lead type)
2125	ø20.8×25.5mm	10mm (lead type)

(3)Inductance value

100	10µH
102	1000µH

(4)Inductance tolerance

K	±10%

(5)Rated current

3R6	3.6A
R20	0.2A

PACKAGING STYLE AND QUANTITIES

Packaging style	Type	Quantity
Bulk	SL1215	100 pieces/tray
	SL1720	100 pieces/tray
	SL1923	100 pieces/tray
	SL2125	100 pieces/tray

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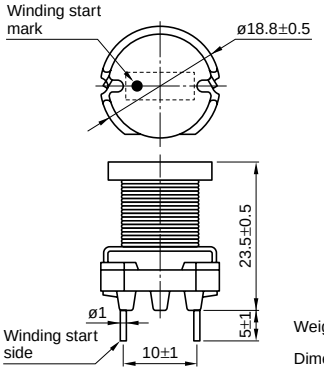
SHAPES AND DIMENSIONS



Weight: 19g typ.

Dimensions in mm

ELECTRICAL CHARACTERISTICS

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

* 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