

Inductors

For Power Line

Radial

SL Series SL1720 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%
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(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

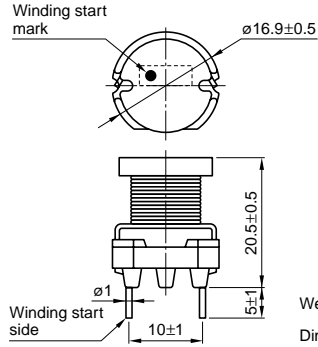
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SHAPES AND DIMENSIONS



ELECTRICAL CHARACTERISTICS

Inductance (μH)	Inductance tolerance	DC resistance (Ω)max.	Rated current(A)*max.		Part No.
			Based on inductance change	Based on temperature rise	
150	$\pm 10\%$	0.1	3	2.1	SL1720-151K2R1
220	$\pm 10\%$	0.13	2.6	1.8	SL1720-221K1R8
330	$\pm 10\%$	0.18	2	1.5	SL1720-331K1R5
470	$\pm 10\%$	0.27	1.7	1.3	SL1720-471K1R3
680	$\pm 10\%$	0.38	1.4	1	SL1720-681K1R0
1000	$\pm 10\%$	0.54	1.1	0.9	SL1720-102KR90
1500	$\pm 10\%$	0.86	0.98	0.72	SL1720-152KR72
2200	$\pm 10\%$	1.22	0.81	0.6	SL1720-222KR60

* 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

