

Inductors for Power Circuits

Radial lead

SL series

Type: SL1215

SL1720 SL1923 SL2125

Issue date: September 2011

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

[•] 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.



Inductors for Power Circuits Radial Lead

Conformity to RoHS Directive

SL Series SL1215

FEATURES

- This is a low Rdc, best for the power supply line.
- It has an open magnetic circuit for large current.
- 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	

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

PRODUCT IDENTIFICATION

SL	1215 -	100	Κ	3R6	- PF
(1)	(2)	(3)	(4)	(5)	(6)

(1)Series name

(2)Dimensions

Туре	Dimension	Lead pitch	
1215 ø12×14.5r	a10v14.5mm	11mm (10 to 100μH for wire type)	
	Ø12×14.5IIIII	7.5mm (150 to 5600µH for lead type)	

(3)Inductance value

10	0	10μΗ
10	12	1000μΗ

(4)Inductance tolerance

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	K	±10%

(5)Rated current

3R6	3.6A	
R20	0.2A	

(6)Lead-free compatible product

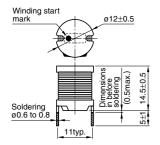
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity	
Bulk	100 pieces/tray	
•		

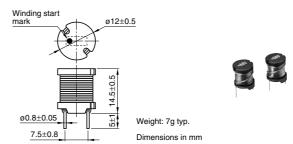
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SHAPES AND DIMENSIONS WIRE TYPE (10 to 100µH)



LEAD TYPE (150 to 5600μH)

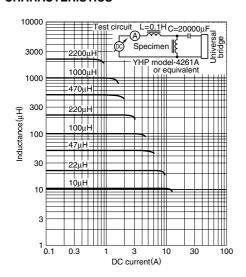


ELECTRICAL CHARACTERISTICS

lundi rata una a	la di rata a a a	DC resistance	Rated current(A)*max.			
Inductance (µH)	Inductance tolerance	(Ω) max.	Based on inductance	Based on	Part No.	Lead wire style
()		()	change	temperature rise		
10	±10%	0.019	9.8	3.6	SL1215-100K3R6-PF	Wire type
15	±10%	0.022	8.9	3.3	SL1215-150K3R3-PF	Wire type
22	±10%	0.031	7.2	2.8	SL1215-220K2R8-PF	Wire type
33	±10%	0.044	6	2.3	SL1215-330K2R3-PF	Wire type
47	±10%	0.059	4.9	2	SL1215-470K2R0-PF	Wire type
68	±10%	0.073	4.2	1.8	SL1215-680K1R8-PF	Wire type
100	±10%	0.1	3.4	1.5	SL1215-101K1R5-PF	Wire type
150	±10%	0.15	2.8	1.3	SL1215-151K1R3-PF	Lead type
220	±10%	0.26	1.9	1	SL1215-221K1R0-PF	Lead type
330	±10%	0.32	1.8	0.91	SL1215-331KR91-PF	Lead type
470	±10%	0.48	1.6	0.72	SL1215-471KR72-PF	Lead type
680	±10%	0.73	1.3	0.58	SL1215-681KR58-PF	Lead type
1000	±10%	0.96	1.1	0.51	SL1215-102KR51-PF	Lead type
1500	±10%	1.4	0.9	0.42	SL1215-152KR42-PF	Lead type
2200	±10%	2.5	0.7	0.31	SL1215-222KR31-PF	Lead type
3300	±10%	3.3	0.6	0.27	SL1215-332KR27-PF	Lead type
5600	±10%	6.4	0.47	0.2	SL1215-562KR20-PF	Lead type

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

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



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

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



Inductors for Power Circuits Radial Lead

Conformity to RoHS Directive

SL Series SL1720

FEATURES

- This is a low Rdc, best for the power supply line.
- It has an open magnetic circuit for large current.
- 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

 $\frac{\mathsf{SL}}{(1)} \, \frac{1720}{(2)} \, \text{-} \, \frac{151}{(3)} \, \frac{\mathsf{K}}{(4)} \, \frac{2\mathsf{R1}}{(5)} \, \text{-} \, \frac{\mathsf{PF}}{(6)}$

(1)Series name

(2)Dimensions

Туре	Dimension	Lead pitch
1720	ø16.9×20.5mm	10mm

(3)Inductance value

151	150μΗ	
102	1000μΗ	

(4)Inductance tolerance

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Ī	<	±10%

(5)Rated current

2R1	2.1A
R60	0.6A

(6)Lead-free compatible product

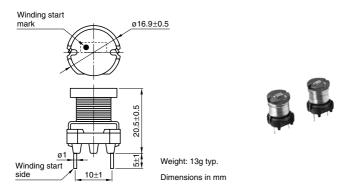
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Bulk	100 pieces/tray

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SHAPES AND DIMENSIONS

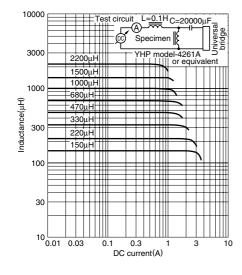


ELECTRICAL CHARACTERISTICS

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



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

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



Inductors for Power Circuits Radial Lead

Conformity to RoHS Directive

SL Series SL1923

FEATURES

- This is a low Rdc, best for the power supply line.
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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	1000μH	

(4)Inductance tolerance

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Ī	<	±10%

(5)Rated current

1R5	1.5A
R26	0.26A

(6)Lead-free compatible product

PF	Lead-free compatible product	

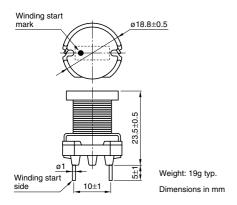
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity	
Bulk	100 pieces/tray	

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SHAPES AND DIMENSIONS



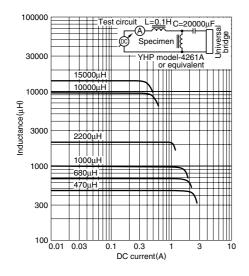


ELECTRICAL CHARACTERISTICS

Inductance	Inductance tolerance	DC resistance	Rated current(A)*max.		
(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

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

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



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

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



Inductors for Power Circuits Radial Lead

Conformity to RoHS Directive

SL Series SL2125

FEATURES

- This is a low Rdc, best for the power supply line.
- It has an open magnetic circuit for large current.
- 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	Κ	1R3	- PF
(1)	(2)	(3)	(4)	(5)	(6)

(1)Series name

(2)Dimensions

Туре	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 L	ead-free compatible product
PF L	ead-free compatible product

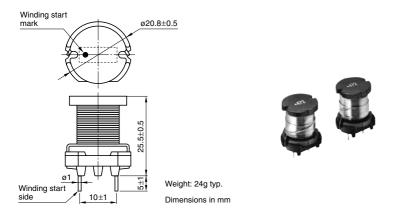
PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Bulk	100 pieces/tray

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SHAPES AND DIMENSIONS

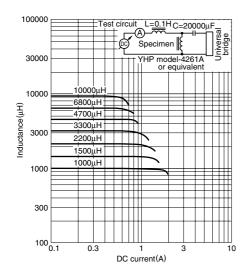


ELECTRICAL CHARACTERISTICS

Industria	la di rata a a a	Test	DC vasistavas	Rated current(A)*max.		
Inductance (μΗ)	Inductance tolerance	frequency L (kHz)	DC resistance (Ω) max.	Based on inductance change	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.

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



Test equipment Inductance: LCR METER YHP4261A, or equivalent

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