

◆ DIP Power Inductors DRP Series

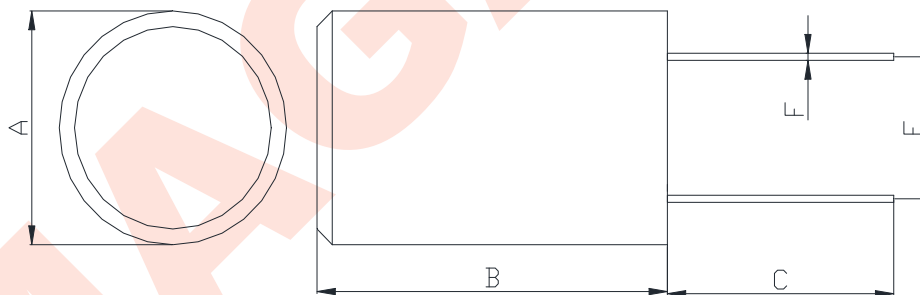


PRODUCT IDENTIFICATION

DRP 114 - 100 K
a b c d

- a: Series name
b: Product dimensions
c: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
d: Inductance Tolerance (J:5%; K:10% ; M:20%)

SHAPES AND DIMENSIONS



FEATURES

- ◆ Low cost.
- ◆ Wide range of inductance.
- ◆ Small mounting space required.
- ◆ The other types with low DCR, large current, best for the power supply line.

APPLICATIONS

- Power supplies, DC-DC converters, TVs, VTRs, computer, computer peripherals, home electric appliance, ect.

Series	Dimensions(mm)				
	A Max.	B Max.	C Ref.	E Ref.	F Ref.
DRP110	11.0	11.0	15.0	5.0	0.65
DRP112	11.0	13.0	15.0	5.0	0.65
DRP114	11.0	15.0	15.0	5.0	0.65
DRP124	13.0	15.0	15.0	5.0	0.80

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
DRP110-100M	10.0	1.0	0.018	1.00
DRP110-150M	15.0	1.0	0.020	0.810
DRP110-180M	18.0	1.0	0.023	0.765
DRP110-220M	22.0	1.0	0.025	0.630
DRP110-270M	27.0	1.0	0.027	0.495
DRP110-330M	33.0	1.0	0.034	0.470
DRP110-390M	39.0	1.0	0.039	0.390
DRP110-470M	47.0	1.0	0.047	0.370
DRP110-560M	56.0	1.0	0.049	0.325
DRP110-680M	68.0	1.0	0.056	0.290
DRP110-820M	82.0	1.0	0.061	0.270
DRP110-101M	100.0	1.0	0.069	0.230
DRP110-151M	150.0	1.0	0.095	0.200
DRP110-181M	180.0	1.0	0.105	0.175
DRP110-221M	220.0	1.0	0.115	0.160
DRP110-271M	270.0	1.0	0.150	0.140
DRP110-331M	330.0	1.0	0.195	0.115
DRP110-391M	390.0	1.0	0.210	0.108
DRP110-471M	470.0	1.0	0.250	0.104
DRP110-561M	560.0	1.0	0.280	0.095
DRP110-681M	680.0	1.0	0.365	0.078
DRP110-821M	820.0	1.0	0.425	0.075
DRP110-102M	1000	1.0	0.470	0.068
DRP110-122M	1200	1.0	1.00	0.050
DRP110-152M	1500	1.0	5.90	0.046
DRP110-182M	1800	1.0	6.60	0.041
DRP110-222M	2200	1.0	7.80	0.037
DRP110-272M	2700	1.0	9.00	0.034
DRP110-332M	3300	1.0	10.00	0.030
DRP110-392M	3900	1.0	11.50	0.028
DRP110-472M	4700	1.0	12.60	0.025
DRP110-562M	5600	1.0	17.20	0.023
DRP110-682M	6800	1.0	19.00	0.020
DRP110-822M	8200	1.0	22.00	0.018
DRP110-103M	10000	1.0	25.0	0.015

Note:

Rated current: The DC current at which the inductance decreases to 90 % of its initial value or when $\Delta t = 40^{\circ}\text{C}$, whichever is lower ($T_a = 25^{\circ}\text{C}$)

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
DRP112-100M	10.0	1.0	0.027	3.30
DRP112-150M	15.0	1.0	0.033	2.80
DRP112-180M	18.0	1.0	0.037	2.50
DRP112-220M	22.0	1.0	0.045	2.25
DRP112-270M	27.0	1.0	0.051	2.00
DRP112-330M	33.0	1.0	0.067	1.87
DRP112-390M	39.0	1.0	0.076	1.68
DRP112-470M	47.0	1.0	0.085	1.50
DRP112-560M	56.0	1.0	0.094	1.44
DRP112-680M	68.0	1.0	0.103	1.28
DRP112-820M	82.0	1.0	0.125	1.20
SCR112-101M	100.0	1.0	0.170	1.11
DRP112-151M	150.0	1.0	0.210	0.84
DRP112-181M	180.0	1.0	0.235	0.81
DRP112-221M	220.0	1.0	0.300	0.72
DRP112-271M	270.0	1.0	0.420	0.64
DRP112-331M	330.0	1.0	0.475	0.59
DRP112-391M	390.0	1.0	0.600	0.54
DRP112-471M	470.0	1.0	0.668	0.50
DRP112-561M	560.0	1.0	0.855	0.43
DRP112-681M	680.0	1.0	1.080	0.39
DRP112-821M	820.0	1.0	1.200	0.37
DRP112-102M	1000	1.0	1.380	0.33
DRP112-122M	1200	1.0	3.700	0.05
DRP112-152M	1500	1.0	4.00	0.04
DRP112-182M	1800	1.0	4.50	0.04
DRP112-222M	2200	1.0	5.20	0.04
DRP112-272M	2700	1.0	5.80	0.03
DRP112-332M	3300	1.0	6.10	0.03
DRP112-392M	3900	1.0	7.20	0.03
DRP112-472M	4700	1.0	7.50	0.02
DRP112-562M	5600	1.0	8.40	0.02
DRP112-682M	6800	1.0	9.70	0.02
DRP112-822M	8200	1.0	10.4	0.02
DRP112-103M	10000	1.0	12.1	0.01

Note:

Rated current: The DC current at which the inductance decreases to 90 % of its initial value or when $\Delta t = 40^{\circ}\text{C}$, whichever is lower ($T_a = 25^{\circ}\text{C}$)

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
DRP114-100M	10.0	1.0	0.029	4.50
DRP114-150M	15.0	1.0	0.040	3.65
DRP114-180M	18.0	1.0	0.054	3.20
DRP114-220M	22.0	1.0	0.060	3.20
DRP114-270M	27.0	1.0	0.066	2.70
DRP114-330M	33.0	1.0	0.070	2.40
DRP114-390M	39.0	1.0	0.078	2.25
DRP114-470M	47.0	1.0	0.086	2.10
DRP114-560M	56.0	1.0	0.094	1.90
DRP114-680M	68.0	1.0	0.102	1.75
DRP114-820M	82.0	1.0	0.124	1.65
DRP114-101M	100.0	1.0	0.158	1.45
DRP114-151M	150.0	1.0	0.248	1.18
DRP114-181M	180.0	1.0	0.345	1.08
DRP114-221M	220.0	1.0	0.440	0.92
DRP114-271M	270.0	1.0	0.488	0.87
DRP114-331M	330.0	1.0	0.650	0.80
DRP114-391M	390.0	1.0	0.835	0.74
DRP114-471M	470.0	1.0	0.902	0.67
DRP114-561M	560.0	1.0	1.21	0.61
DRP114-681M	680.0	1.0	1.33	0.55
DRP114-821M	820.0	1.0	1.45	0.51
DRP114-102M	1000	1.0	2.05	0.46
DRP114-122M	1200	1.0	2.25	0.43
DRP114-152M	1500	1.0	2.50	0.37
DRP114-182M	1800	1.0	2.80	0.35
DRP114-222M	2200	1.0	3.90	0.30
DRP114-272M	2700	1.0	4.28	0.27
DRP114-332M	3300	1.0	7.68	0.26
DRP114-392M	3900	1.0	8.35	0.23
DRP114-472M	4700	1.0	9.10	0.21
DRP114-562M	5600	1.0	10.2	0.19
DRP114-682M	6800	1.0	15.4	0.18
DRP114-822M	8200	1.0	16.9	0.16
DRP114-103M	10000	1.0	23.5	0.15

Note:

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ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
DRP124-100M	10.0	1.0	0.015	3.61
DRP24-150M	15.0	1.0	0.017	3.16
DRP124-180M	18.0	1.0	0.020	2.81
DRP124-220M	22.0	1.0	0.021	2.44
DRP124-270M	27.0	1.0	0.023	2.12
DRP124-330M	33.0	1.0	0.024	1.80
DRP124-390M	39.0	1.0	0.027	1.64
DRP124-470M	47.0	1.0	0.032	1.57
DRP124-560M	56.0	1.0	0.034	1.39
DRP124-680M	68.0	1.0	0.060	1.26
DRP124-820M	82.0	1.0	0.070	1.18
DRP124-101M	100.0	1.0	0.090	1.14
DRP124-151M	150.0	1.0	0.11	0.82
DRP124-181M	180.0	1.0	0.12	0.73
DRP124-221M	220.0	1.0	0.14	0.61
DRP124-271M	270.0	1.0	0.16	0.54
DRP124-331M	330.0	1.0	0.17	0.52
DRP124-391M	390.0	1.0	0.32	0.48
DRP124-471M	470.0	1.0	0.35	0.44
DRP124-561M	560.0	1.0	0.39	0.40
DRP124-681M	680.0	1.0	0.44	0.38
DRP124-821M	820.0	1.0	0.48	0.28
DRP124-102M	1000	1.0	0.53	0.27
DRP124-122M	1200	1.0	0.66	0.26
DRP124-152M	1500	1.0	0.86	0.23
DRP124-182M	1800	1.0	0.95	0.21
DRP124-222M	2200	1.0	1.07	0.18

Note:

Rated current: The DC current at which the inductance decreases to 90 % of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=25^{\circ}\text{C}$)