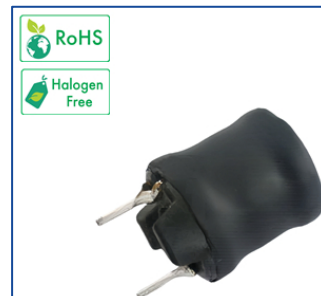
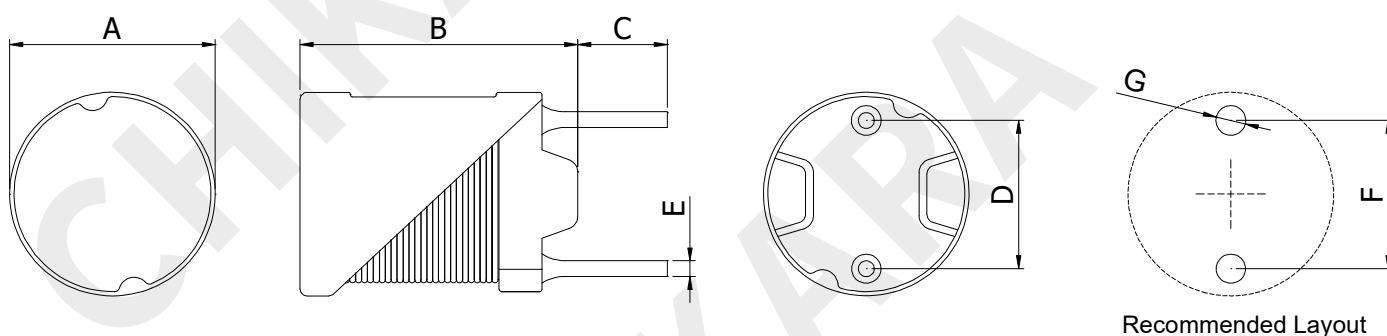


Features

- Unshielded, leaded drum core
- Storage temperature range:-55°C to + 130°C
- Operating temperature range:-55°C to + 130°C
(including coil's self-temperature rise)
- Moisture sensitivity level:1
- Packaging:200pcs. per bag
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G
Ø9.0Max.	10.0Max.	3.5±0.5	5.0±0.5	Ø0.7±0.1	5.0	Ø1.2

Part Number Description

DP02 - 0910 3R3 M

① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



Electrical Characteristic

Part Number	Inductance L0(uH)	DCR (Ω)Typ.	DCR (Ω)Max.	Isat ¹ (A)Typ.	Isat ² (A)Typ.	Isat ³ (A)Typ.	Irms (A)Typ.
DP02-09103R3M	3.3 $\pm$ 20%	0.011	0.013	10.2	11.2	12.0	8.1
DP02-09104R7M	4.7 $\pm$ 20%	0.013	0.016	8.5	9.7	10.5	7.4
DP02-09105R6M	5.6 $\pm$ 20%	0.015	0.018	8.0	9.2	10.0	6.9
DP02-09106R8M	6.8 $\pm$ 20%	0.016	0.019	6.2	8.2	9.2	6.7
DP02-09108R2M	8.2 $\pm$ 20%	0.019	0.023	6.0	7.3	8.0	6.1
DP02-0910100M	10 $\pm$ 20%	0.022	0.026	5.6	6.7	7.5	5.7
DP02-0910120M	12 $\pm$ 20%	0.027	0.032	4.4	6.0	6.8	5.2
DP02-0910150M	15 $\pm$ 20%	0.035	0.042	4.2	5.6	6.1	4.6
DP02-0910180M	18 $\pm$ 20%	0.039	0.047	4.1	5.0	5.5	4.3
DP02-0910220M	22 $\pm$ 20%	0.042	0.050	4.0	4.6	5.0	4.1
DP02-0910270M	27 $\pm$ 20%	0.050	0.060	3.4	4.0	4.5	3.7
DP02-0910330M	33 $\pm$ 20%	0.057	0.068	3.0	3.8	4.2	3.5
DP02-0910390M	39 $\pm$ 20%	0.072	0.086	2.8	3.2	3.5	3.0
DP02-0910470M	47 $\pm$ 20%	0.095	0.114	2.7	3.0	3.4	2.7
DP02-0910560M	56 $\pm$ 20%	0.108	0.130	2.6	2.9	3.3	2.6
DP02-0910680M	68 $\pm$ 20%	0.138	0.165	2.2	2.6	2.9	2.3
DP02-0910820M	82 $\pm$ 20%	0.159	0.190	2.1	2.4	2.7	2.1
DP02-0910101K	100 $\pm$ 10%	0.183	0.210	1.8	2.1	2.3	2.0
DP02-0910121K	120 $\pm$ 10%	0.207	0.238	1.6	1.9	2.1	1.8
DP02-0910151K	150 $\pm$ 10%	0.255	0.293	1.5	1.7	1.9	1.7
DP02-0910181K	180 $\pm$ 10%	0.345	0.397	1.4	1.6	1.8	1.4
DP02-0910221K	220 $\pm$ 10%	0.423	0.486	1.2	1.4	1.5	1.3
DP02-0910331K	330 $\pm$ 10%	0.532	0.612	0.94	1.2	1.35	1.15
DP02-0910471K	470 $\pm$ 10%	0.813	0.935	0.84	1.0	1.15	0.90
DP02-0910561K	560 $\pm$ 10%	1.050	1.207	0.78	0.88	1.00	0.80
DP02-0910681K	680 $\pm$ 10%	1.220	1.400	0.73	0.84	0.90	0.75
DP02-0910821K	820 $\pm$ 10%	1.365	1.570	0.64	0.75	0.82	0.70
DP02-0910102K	1000 $\pm$ 10%	1.780	2.050	0.56	0.66	0.72	0.60

- Test frequency and voltage:1KHz,0.25Vrms.
- All test data referenced to 25°C ambient.
- Saturation current(Isat¹) will cause L0 to drop approximately 10%.
- Saturation current(Isat²) will cause L0 to drop approximately 20%.
- Saturation current(Isat³) will cause L0 to drop approximately 30%.
- Heat rated current(Irms) will cause the coil temperature rise approximately Δt of 40°C.