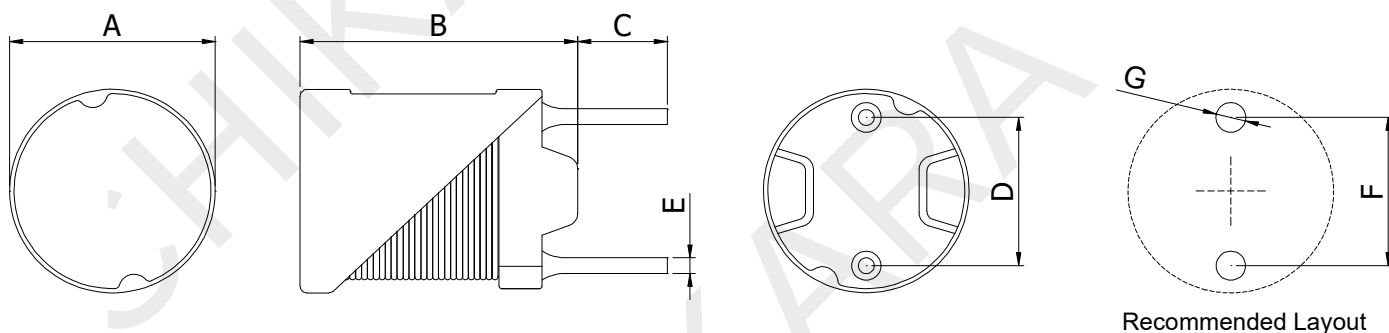


Features

- 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:150pcs. per bag
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G
Ø9.5Max.	13.5Max.	3.5±0.5	5.0±0.5	Ø0.7±0.1	5.0	Ø1.2

Part Number Description

DP02 - 1014 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.
DP02-10143R3M	3.3±20%	0.007	0.009	8.0	10.8	11.7	8.8
DP02-10144R7M	4.7±20%	0.008	0.010	7.5	9.4	10.8	8.2
DP02-10145R6M	5.6±20%	0.010	0.012	7.0	8.6	9.7	7.3
DP02-10146R8M	6.8±20%	0.012	0.015	6.4	7.9	8.8	7.0
DP02-10148R2M	8.2±20%	0.015	0.018	6.0	7.2	7.9	6.5
DP02-1014100M	10±20%	0.017	0.020	5.4	6.4	7.0	6.0
DP02-1014120M	12±20%	0.020	0.024	5.0	5.7	6.3	5.5
DP02-1014150M	15±20%	0.024	0.029	4.7	5.3	5.8	5.2
DP02-1014180M	18±20%	0.025	0.030	4.4	4.9	5.3	5.0
DP02-1014220M	22±20%	0.031	0.037	4.0	4.5	4.9	4.6
DP02-1014270M	27±20%	0.036	0.043	3.5	4.0	4.5	4.2
DP02-1014330M	33±20%	0.045	0.054	3.0	3.6	4.0	3.7
DP02-1014390M	39±20%	0.056	0.067	2.8	3.4	3.7	3.4
DP02-1014470M	47±20%	0.064	0.077	2.6	3.0	3.3	3.0
DP02-1014560M	56±20%	0.071	0.085	2.4	2.8	3.0	2.8
DP02-1014680M	68±20%	0.092	0.110	2.2	2.6	2.8	2.6
DP02-1014820M	82±20%	0.106	0.127	2.0	2.3	2.6	2.4
DP02-1014101K	100±10%	0.141	0.169	1.9	2.1	2.4	2.2
DP02-1014121K	120±10%	0.157	0.188	1.6	1.9	2.1	2.0
DP02-1014151K	150±10%	0.193	0.230	1.4	1.7	1.9	1.8
DP02-1014181K	180±10%	0.242	0.290	1.3	1.5	1.7	1.6
DP02-1014221K	220±10%	0.278	0.334	1.1	1.4	1.5	1.4
DP02-1014331K	330±10%	0.403	0.484	0.95	1.13	1.25	1.22
DP02-1014471K	470±10%	0.562	0.674	0.82	0.98	1.10	1.05
DP02-1014561K	560±10%	0.698	0.838	0.75	0.92	0.98	0.96
DP02-1014681K	680±10%	0.867	1.000	0.68	0.82	0.90	0.86
DP02-1014821K	820±10%	0.992	1.200	0.63	0.75	0.83	0.82
DP02-1014102K	1000±10%	1.224	1.469	0.56	0.66	0.70	0.74

- 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.