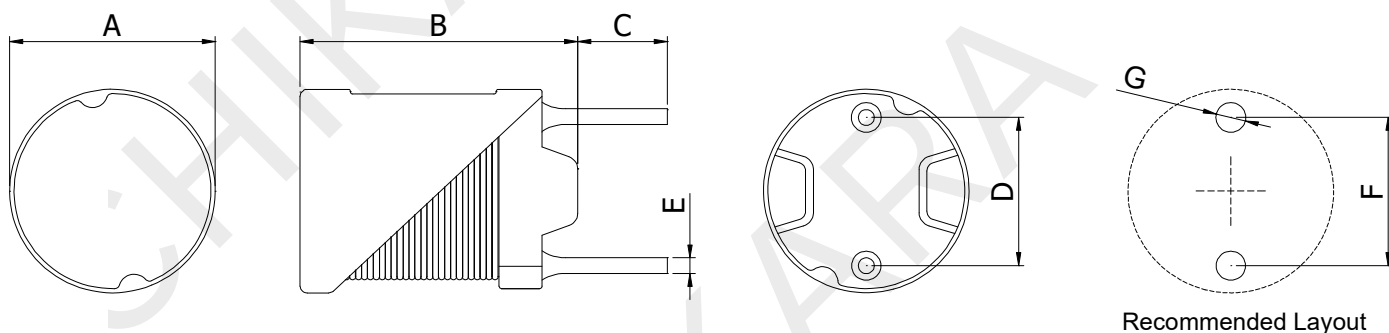


Features

- 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:250pcs. per bag
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G
Ø9.0Max.	8.0Max.	3.5±0.5	5.0±0.5	Ø0.7±0.1	5.0	Ø1.2

Part Number Description

DP02 - 0908 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.
DP02-09083R3M	3.3±20%	0.015	0.018	10.5	11.5	12.3	5.5
DP02-09084R7M	4.7±20%	0.019	0.023	9.0	10.2	11.0	4.8
DP02-09085R6M	5.6±20%	0.024	0.029	8.0	9.0	9.7	4.3
DP02-09086R8M	6.8±20%	0.028	0.035	7.2	8.5	9.1	3.9
DP02-09088R2M	8.2±20%	0.031	0.037	6.8	8.0	8.5	3.8
DP02-0908100M	10±20%	0.041	0.050	6.0	7.2	7.6	3.3
DP02-0908120M	12±20%	0.050	0.060	5.5	6.1	6.5	3.0
DP02-0908150M	15±20%	0.053	0.065	4.7	5.5	6.0	2.9
DP02-0908180M	18±20%	0.064	0.077	4.5	5.0	5.6	2.6
DP02-0908220M	22±20%	0.078	0.095	4.2	4.7	5.0	2.4
DP02-0908270M	27±20%	0.098	0.118	3.6	4.1	4.5	2.1
DP02-0908330M	33±20%	0.111	0.133	3.1	3.7	4.2	2.0
DP02-0908390M	39±20%	0.138	0.166	2.9	3.4	3.8	1.8
DP02-0908470M	47±20%	0.156	0.187	2.8	3.2	3.5	1.7
DP02-0908560M	56±20%	0.188	0.225	2.6	3.0	3.2	1.5
DP02-0908680M	68±20%	0.215	0.258	2.3	2.7	2.9	1.4
DP02-0908820M	82±20%	0.267	0.320	2.1	2.4	2.6	1.3
DP02-0908101K	100±10%	0.328	0.394	2.0	2.2	2.3	1.18
DP02-0908121K	120±10%	0.376	0.451	1.8	2.0	2.1	1.15
DP02-0908151K	150±10%	0.480	0.576	1.6	1.8	2.0	0.97
DP02-0908181K	180±10%	0.556	0.667	1.5	1.6	1.7	0.90
DP02-0908221K	220±10%	0.688	0.826	1.3	1.5	1.6	0.81
DP02-0908331K	330±10%	0.962	1.154	1.2	1.3	1.4	0.69
DP02-0908471K	470±10%	1.382	1.658	0.92	1.1	1.2	0.58
DP02-0908561K	560±10%	1.818	2.182	0.88	0.94	1.0	0.50
DP02-0908681K	680±10%	2.321	2.785	0.80	0.90	0.95	0.44
DP02-0908821K	820±10%	2.554	3.065	0.72	0.80	0.85	0.42
DP02-0908102K	1000±10%	3.170	3.800	0.58	0.67	0.72	0.38

- 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.