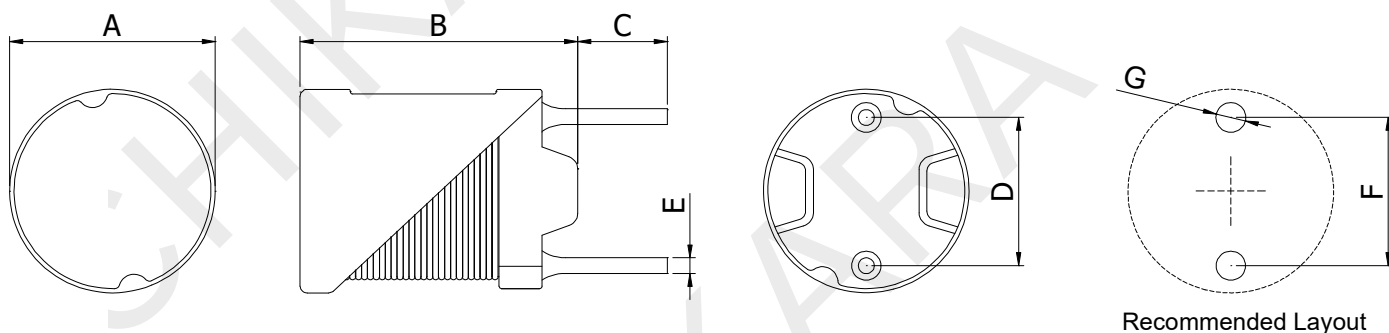


Features

- 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:300pcs. per bag
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G
Ø7.5Max.	7.0Max.	3.5±0.5	4.0±0.5	Ø0.5±0.1	4.0	Ø0.8

Part Number Description

DP02 - 0807 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.
DP02-08073R3M	3.3±20%	0.013	0.016	4.0	5.0	5.5	5.8
DP02-08074R7M	4.7±20%	0.019	0.023	3.3	4.2	4.8	4.8
DP02-08075R6M	5.6±20%	0.021	0.025	3.2	3.8	4.2	4.6
DP02-08076R8M	6.8±20%	0.027	0.032	3.0	3.5	3.8	4.1
DP02-08078R2M	8.2±20%	0.030	0.036	2.8	3.3	3.7	3.9
DP02-0807100M	10±20%	0.036	0.043	2.4	2.9	3.2	3.5
DP02-0807120M	12±20%	0.041	0.049	2.3	2.7	2.9	3.3
DP02-0807150M	15±20%	0.049	0.059	2.2	2.5	2.6	3.0
DP02-0807180M	18±20%	0.061	0.073	2.0	2.3	2.4	2.7
DP02-0807220M	22±20%	0.067	0.080	1.7	2.0	2.1	2.6
DP02-0807270M	27±20%	0.081	0.097	1.6	1.7	1.9	2.3
DP02-0807330M	33±20%	0.102	0.122	1.5	1.6	1.7	2.1
DP02-0807390M	39±20%	0.112	0.134	1.3	1.5	1.6	2.0
DP02-0807470M	47±20%	0.138	0.166	1.2	1.4	1.5	1.8
DP02-0807560M	56±20%	0.167	0.200	1.1	1.2	1.3	1.6
DP02-0807680M	68±20%	0.209	0.251	0.95	1.15	1.25	1.40
DP02-0807820M	82±20%	0.247	0.296	0.90	1.05	1.12	1.35
DP02-0807101K	100±10%	0.287	0.344	0.82	0.97	1.02	1.25
DP02-0807121K	120±10%	0.367	0.440	0.75	0.87	0.95	1.10
DP02-0807151K	150±10%	0.428	0.514	0.65	0.75	0.85	1.00
DP02-0807181K	180±10%	0.600	0.720	0.62	0.72	0.77	0.87
DP02-0807221K	220±10%	0.642	0.770	0.55	0.63	0.68	0.84
DP02-0807331K	330±10%	1.016	1.219	0.50	0.55	0.60	0.67
DP02-0807471K	470±10%	1.381	1.657	0.40	0.45	0.47	0.57
DP02-0807561K	560±10%	1.574	1.889	0.35	0.40	0.42	0.54
DP02-0807681K	680±10%	1.957	2.348	0.33	0.37	0.40	0.48
DP02-0807821K	820±10%	2.428	2.914	0.30	0.35	0.37	0.43
DP02-0807102K	1000±10%	2.834	3.400	0.28	0.32	0.34	0.40

- 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.