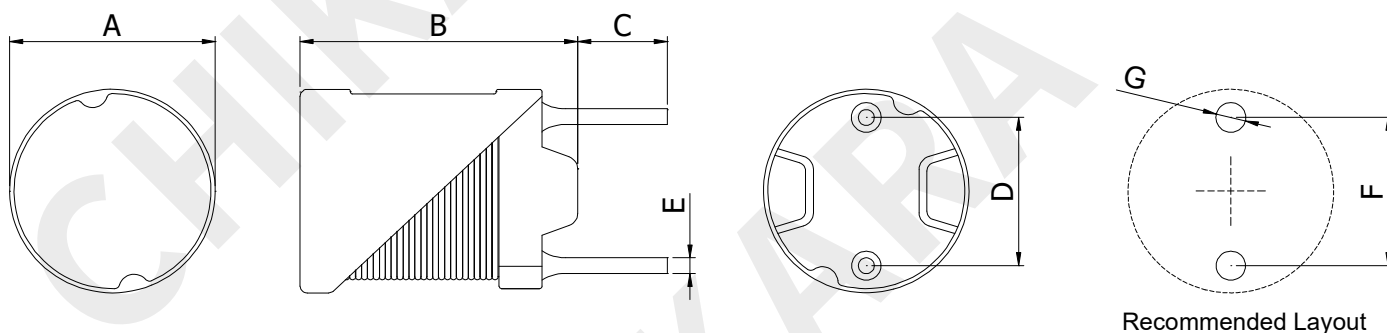


Features

- 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:400pcs. per bag
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G
Ø6.0Max.	8.5Max.	3.5±0.5	2.5±0.5	Ø0.5±0.1	2.5	Ø0.8

Part Number Description

DP02 - 0609 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.
DP02-06093R3M	3.3±20%	0.017	0.020	4.0	5.2	6.0	5.70
DP02-06094R7M	4.7±20%	0.028	0.034	3.7	4.4	5.0	4.40
DP02-06095R6M	5.6±20%	0.029	0.035	3.1	3.9	4.4	4.30
DP02-06096R8M	6.8±20%	0.032	0.038	2.8	3.4	4.0	4.20
DP02-06098R2M	8.2±20%	0.038	0.046	2.7	3.2	3.5	3.80
DP02-0609100M	10±20%	0.053	0.064	2.6	3.0	3.2	3.30
DP02-0609120M	12±20%	0.062	0.074	2.5	2.8	3.1	3.00
DP02-0609150M	15±20%	0.071	0.085	2.2	2.5	2.8	2.60
DP02-0609180M	18±20%	0.087	0.104	2.0	2.3	2.5	2.50
DP02-0609220M	22±20%	0.101	0.120	1.7	2.1	2.2	2.40
DP02-0609270M	27±20%	0.125	0.150	1.6	1.9	2.1	2.10
DP02-0609330M	33±20%	0.153	0.184	1.5	1.7	1.8	1.90
DP02-0609390M	39±20%	0.193	0.232	1.3	1.5	1.7	1.60
DP02-0609470M	47±20%	0.232	0.278	1.2	1.4	1.5	1.50
DP02-0609560M	56±20%	0.274	0.329	1.1	1.3	1.4	1.30
DP02-0609680M	68±20%	0.347	0.416	1.0	1.2	1.3	1.25
DP02-0609820M	82±20%	0.397	0.476	0.82	0.96	1.1	1.20
DP02-0609101K	100±10%	0.451	0.541	0.80	0.92	1.0	1.05
DP02-0609121K	120±10%	0.604	0.725	0.78	0.85	0.93	0.96
DP02-0609151K	150±10%	0.693	0.832	0.70	0.80	0.88	0.90
DP02-0609181K	180±10%	0.877	1.052	0.60	0.75	0.80	0.85
DP02-0609221K	220±10%	1.017	1.220	0.56	0.65	0.72	0.75
DP02-0609331K	330±10%	1.281	1.537	0.50	0.55	0.60	0.65
DP02-0609471K	470±10%	2.248	2.698	0.42	0.47	0.50	0.51
DP02-0609561K	560±10%	2.891	3.469	0.38	0.42	0.45	0.45
DP02-0609681K	680±10%	3.203	3.844	0.34	0.38	0.41	0.43
DP02-0609821K	820±10%	4.038	4.846	0.32	0.35	0.37	0.37
DP02-0609102K	1000±10%	4.688	5.626	0.28	0.32	0.35	0.35

- 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.