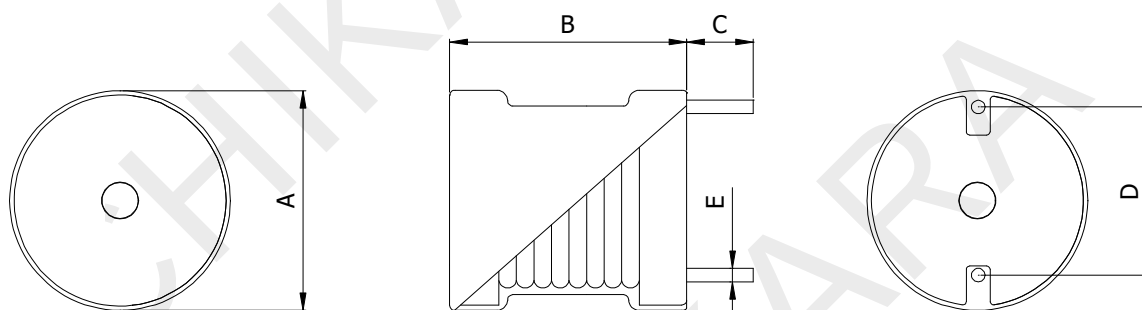


Features

- 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:15pcs. per tray
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E
Ø50.0Max.	38.0Max.	5.0±1.0	See table	See table

Part Number Description

DP01 - 5038 681 K
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



Electrical Characteristic

Part Number	Inductance L0(uH)	DCR (mΩ)Typ.	DCR (mΩ)Max.	Isat (A)Typ.	Irms (A)Typ.	D (mm)Nom.	E (mm)Nom.
DP01-5038681K	680±10%	66.5	76.5	14.0	11.4	36.0	1.50
DP01-5038122K	1200±10%	128.2	147.5	11.0	9.0	34.5	1.30
DP01-5038182K	1800±10%	185.7	214.0	8.5	7.2	33.5	1.20
DP01-5038222K	2200±10%	222.5	256.0	7.6	7.2	35.5	1.20
DP01-5038272K	2700±10%	268.7	309.0	7.2	5.5	34.5	1.10
DP01-5038392K	3900±10%	398.7	459.0	6.0	4.5	34.5	1.00
DP01-5038562K	5600±10%	488.5	562.0	5.5	4.5	34.5	1.00
DP01-5038103K	10000±10%	818.4	941.5	3.7	4.0	36.8	0.90
DP01-5038123K	12000±10%	1089.1	1253.0	3.3	2.8	35.5	0.80
DP01-5038153K	15000±10%	1246.8	1434.0	3.0	2.8	35.5	0.80
DP01-5038183K	18000±10%	1697.0	1952.0	2.8	2.7	35.5	0.70
DP01-5038223K	22000±10%	1929.0	2218.5	2.5	2.0	35.5	0.70
DP01-5038273K	27000±10%	2795.0	3214.5	2.1	1.7	34.8	0.60
DP01-5038333K	33000±10%	3197.0	3677.0	2.0	1.7	34.8	0.60
DP01-5038393K	39000±10%	3490.0	4014.0	1.8	1.4	34.5	0.60
DP01-5038473K	47000±10%	5086.0	5849.0	1.6	1.4	34.5	0.50

- Test frequency and voltage:10KHz,1Vrms.
- All test data referenced to 25°C ambient.
- Saturation current(Isat) will cause L0 to drop approximately 5%.
- Heat rated current(Irms) will cause the coil temperature rise approximately Δt of 20°C.