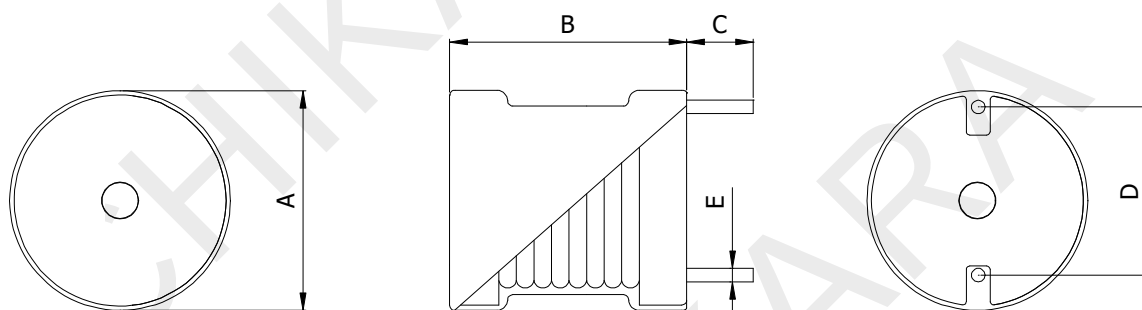


Features

- 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:21pcs. per tray
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E
Ø40.5Max.	38.0Max.	5.0±1.0	See table	See table

Part Number Description

DP01 - 4138 221 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.
DP01-4138221K	220±10%	29.2	34.0	21.5	13.5	27.9	1.70
DP01-4138331K	330±10%	37.8	44.0	18.0	13.5	28.2	1.70
DP01-4138471K	470±10%	58.4	67.5	14.5	11.4	27.2	1.50
DP01-4138681K	680±10%	78.7	91.0	11.0	9.0	27.2	1.40
DP01-4138102K	1000±10%	127.8	147.0	10.0	7.2	28.5	1.20
DP01-4138152K	1500±10%	181.0	208.5	7.4	5.5	28.5	1.10
DP01-4138222K	2200±10%	270.3	311.0	6.7	5.5	29.5	1.00
DP01-4138332K	3300±10%	392.7	452.0	5.2	4.0	28.9	0.90
DP01-4138472K	4700±10%	538.1	619.0	4.2	4.0	28.9	0.85
DP01-4138682K	6800±10%	754.8	868.5	3.8	2.8	26.9	0.80
DP01-4138103K	10000±10%	1197.5	1377.5	3.1	2.0	28.7	0.70
DP01-4138153K	15000±10%	1521.3	1750.0	2.6	1.8	28.7	0.70

- 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.