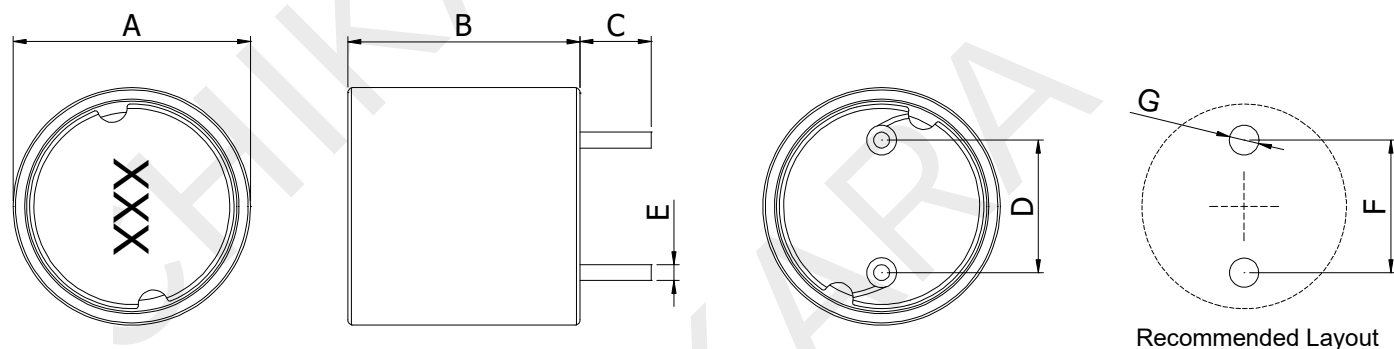


Features

- Shielded, 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:84pcs. per tray
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G
Ø16.0±0.5	16.0Max.	5.0±1.0	7.5±0.5	Ø0.8Typ.	7.5	Ø1.3

Part Number Description

DP06 - 1616 270 M
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic

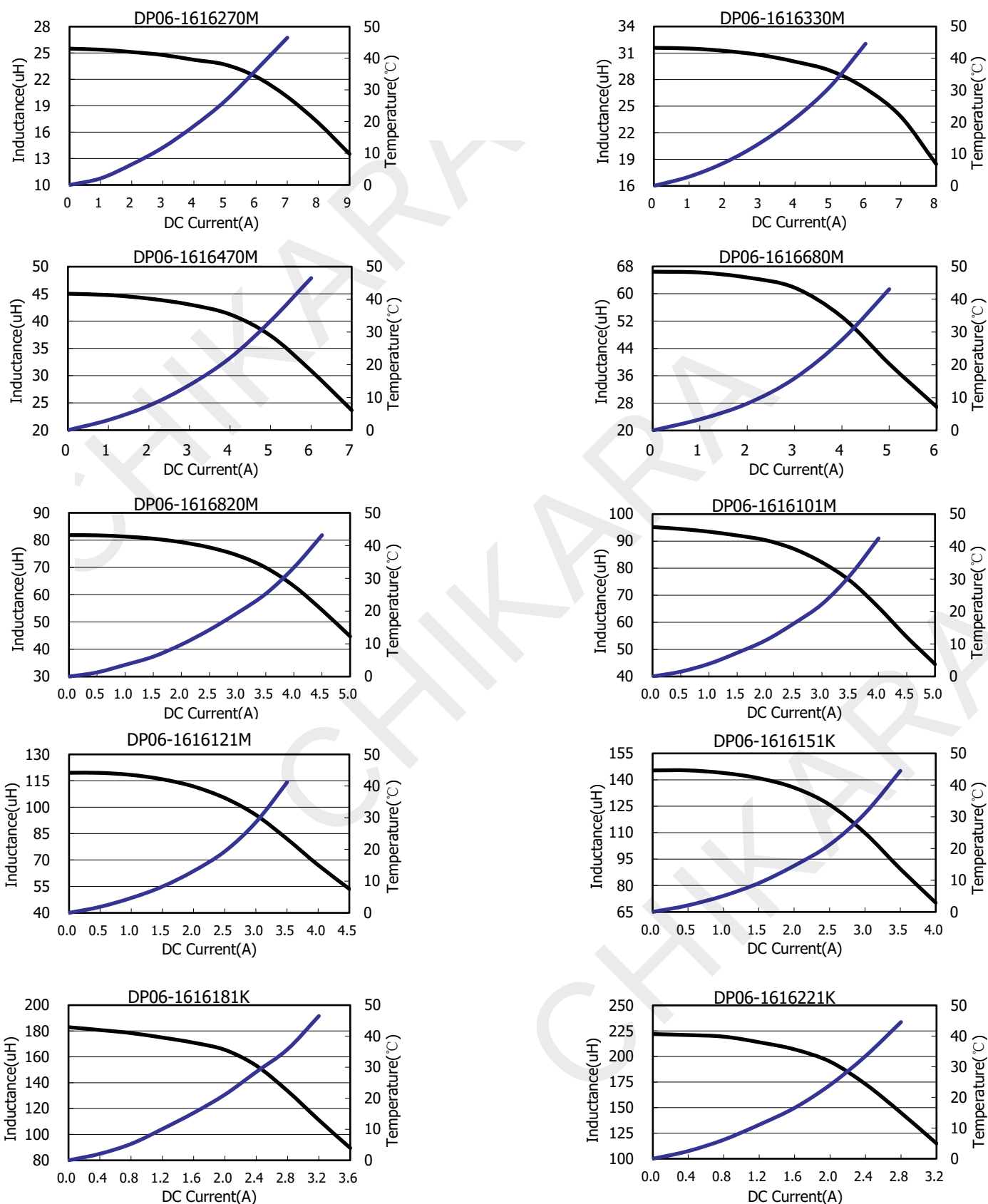


Electrical Characteristic

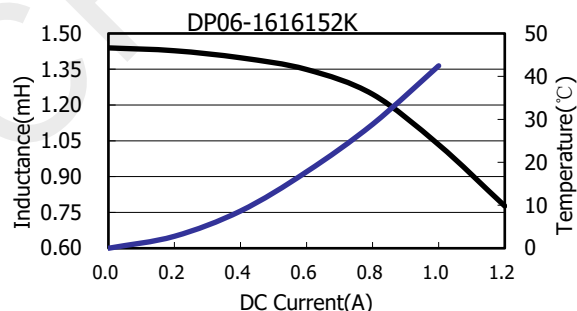
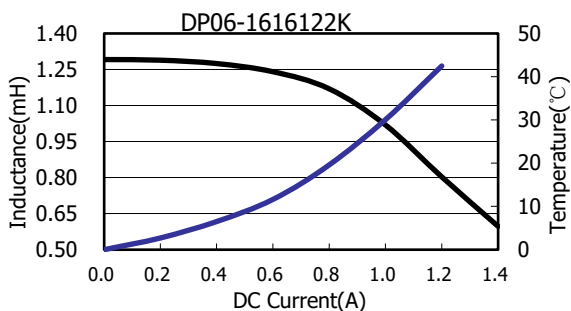
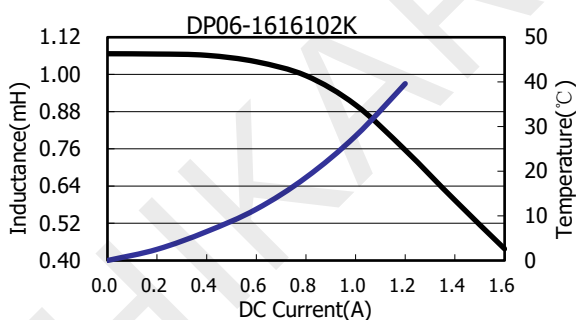
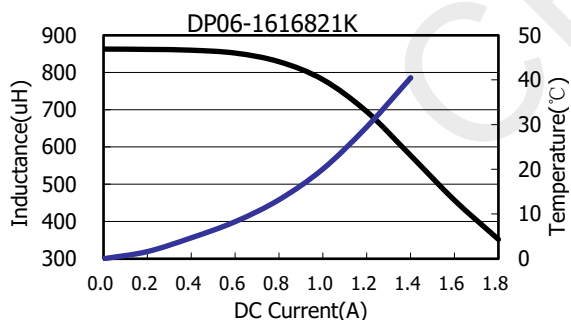
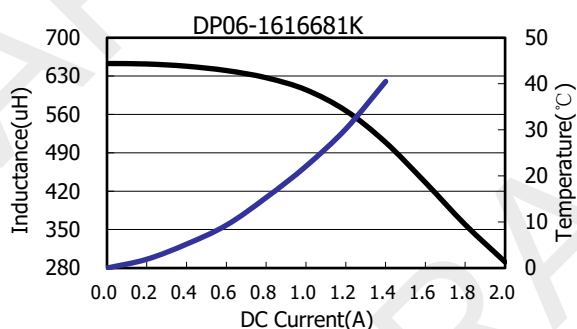
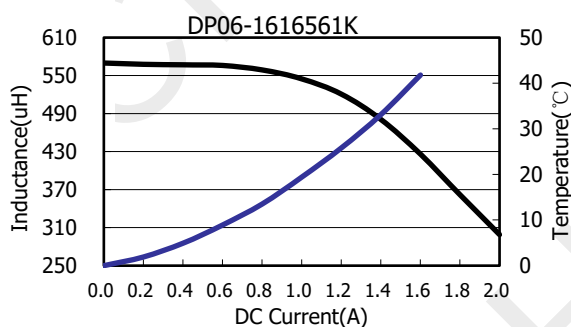
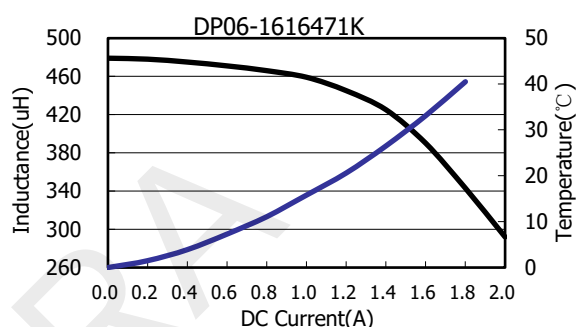
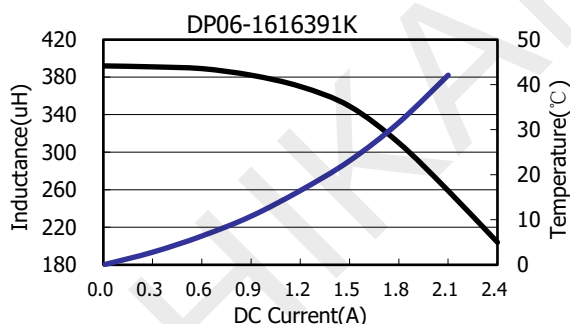
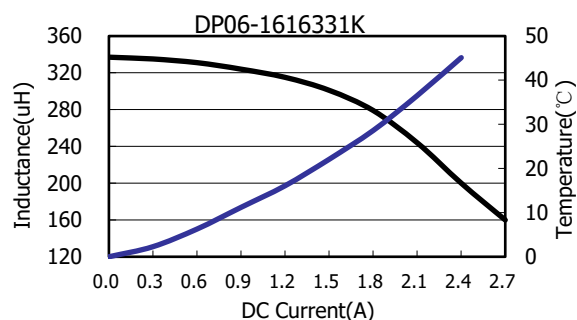
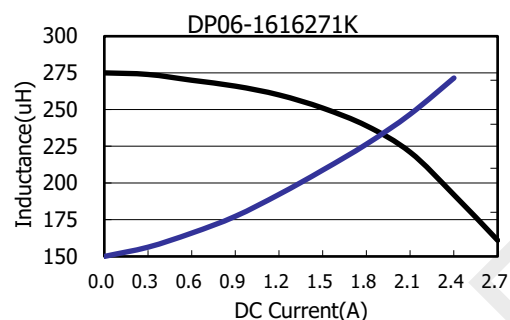
Part Number	Inductance L0(uH)	DCR (mΩ)Max.	Isat ¹ (A)Typ.	Isat ² (A)Typ.	Isat ³ (A)Typ.	Irms (A)Typ.
DP06-1616270M	27±20%	26.5	5.20	6.40	7.20	6.00
DP06-1616330M	33±20%	30.0	4.50	6.00	6.70	5.40
DP06-1616470M	47±20%	42.5	3.90	4.70	5.50	5.00
DP06-1616680M	68±20%	56.0	3.10	3.80	4.30	4.50
DP06-1616820M	82±20%	73.0	280	3.60	4.00	3.90
DP06-1616101M	100±20%	79.0	2.50	3.20	3.70	3.70
DP06-1616121M	120±20%	90.0	2.30	2.80	3.20	3.40
DP06-1616151K	150±10%	106	2.10	2.60	2.90	3.10
DP06-1616181K	180±10%	135	1.90	2.40	2.70	2.80
DP06-1616221K	220±10%	180	1.70	2.10	2.50	2.55
DP06-1616271K	270±10%	246	1.60	1.90	2.20	2.30
DP06-1616331K	330±10%	270	1.50	1.70	2.00	2.05
DP06-1616391K	390±10%	298	1.30	1.60	1.80	1.85
DP06-1616471K	470±10%	409	1.20	1.50	1.70	1.60
DP06-1616561K	560±10%	455	1.10	1.40	1.60	1.45
DP06-1616681K	680±10%	540	1.00	1.20	1.40	1.30
DP06-1616821K	820±10%	760	0.90	1.10	1.30	1.20
DP06-1616102K	1000±10%	850	0.83	1.00	1.15	1.10
DP06-1616122K	1200±10%	1045	0.75	0.94	1.05	0.98
DP06-1616152K	1500±10%	1120	0.66	0.85	0.96	0.92
DP06-1616182K	1800±10%	1500	0.60	0.78	0.90	0.87
DP06-1616222K	2200±10%	1690	0.56	0.70	0.79	0.83
DP06-1616272K	2700±10%	2200	0.51	0.62	0.72	0.75
DP06-1616332K	3300±10%	2650	0.46	0.55	0.68	0.69
DP06-1616392K	3900±10%	2910	0.41	0.51	0.57	0.65
DP06-1616472K	4700±10%	3540	0.38	0.48	0.54	0.58
DP06-1616562K	5600±10%	4350	0.34	0.44	0.50	0.54
DP06-1616682K	6800±10%	5020	0.32	0.40	0.45	0.50
DP06-1616822K	8200±10%	6100	0.31	0.39	0.44	0.46
DP06-1616103K	10000±10%	8200	0.28	0.33	0.37	0.41

- Test frequency and voltage:100KHz,0.1Vrms.
- 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.

Characteristic Curve (Typical value)



Characteristic Curve (Typical value)



Characteristic Curve (Typical value)

