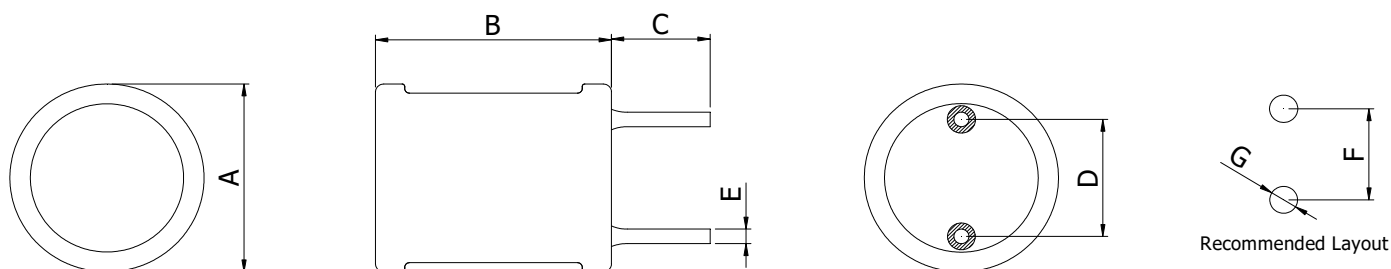


Features

- High reliability, high consistency inductance
- Storage temperature range:-40°C to + 125°C
- Operating temperature range:-40°C to + 125°C
(including coil's self-temperature rise)
- Moisture sensitivity level:1
- Packaging:100pcs. per bag
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G
Ø12.0Max.	13.5±1.0	5.0±1.0	6.0±0.5	Ø0.8±0.1	6.0±0.5	Ø1.1Ref.

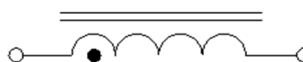
Part Number Description

DP04 - 1215 103 K

① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



Electrical Characteristic

Part Number	Inductance L0(uH)	Q Typ.	Q Freq.(MHz)	SRF (MHz)Typ.	DCR (Ω)Max.	Rated Current (A)Max.
DP04-1215103K	10000±10%	100	0.0796	0.35	12	0.17
DP04-1215123K	12000±10%	100	0.0796	0.31	13	0.16
DP04-1215153K	15000±10%	100	0.0796	0.28	18	0.14
DP04-1215183K	18000±10%	80	0.0796	0.26	25	0.12
DP04-1215223K	22000±10%	80	0.0796	0.22	30	0.11
DP04-1215273K	27000±10%	80	0.0796	0.20	35	0.10
DP04-1215333K	33000±10%	60	0.0796	0.19	40	0.09
DP04-1215393K	39000±10%	60	0.0796	0.17	50	0.08
DP04-1215473K	47000±10%	60	0.0796	0.15	50	0.075
DP04-1215563K	56000±10%	40	0.0796	0.13	65	0.070
DP04-1215683K	68000±10%	40	0.0796	0.12	70	0.065
DP04-1215823K	82000±10%	30	0.0796	0.10	100	0.055
DP04-1215104K	100000±10%	30	0.0796	0.10	135	0.045

- Test frequency and voltage:1KHz,0.25Vrms.
- All test data referenced to 25°C ambient.
- Rated current: The DC current at which the inductance decreases to 90% of it's initial value or when $\Delta t=20^{\circ}\text{C}$, whichever is lower.