

Revision and History

Part No.: DP02-0810A182K

Product code: TBD

Page: 1/3

Rev.	Date	Revision Description	Checked	Approved
A1	Oct/21/2019	Initial release.	Louise Liu	Cason Chen

Spec Sheet

Part No.: DP02-0810A182K

Product code: TBD

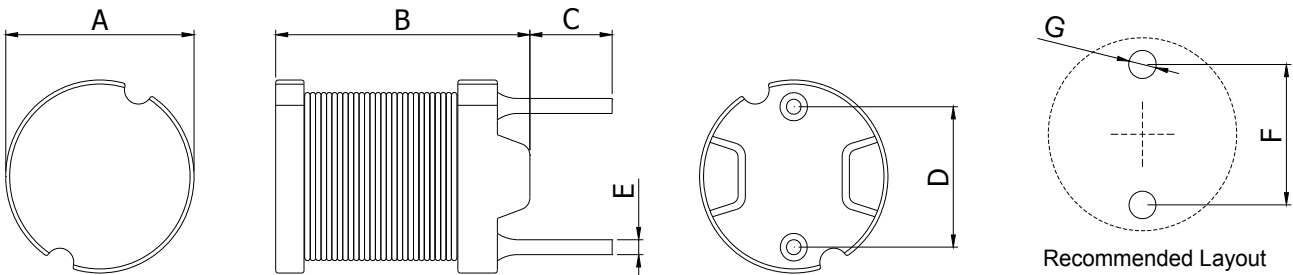
Page: 2/3

Features

- Unshielded, leaded drum core
- 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
- RoHS&Halogen-free compliance

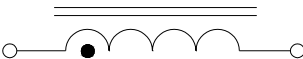


Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G
7.8±0.5	9.5±0.5	5.0±1.0	5.0±0.5	Φ0.7Typ.	5.0	Φ1.2

Electrical Schematic



Part Number Description

DP02 - 0810A 182 K
 ① ② ③ ④

- ① Type
- ② Dimensions
- ③ Inductance value
- ④ Tolerance code

Electrical Characteristic

Inductance L0(uH)	DCR (Ω)Max.	Isat (A)Typ.	Irms (A)Typ.	SRF (MHz)Typ.
1800±10%	3.3	0.38	0.35	1.4

- Test frequency and voltage:100KHz,0.25Vrms.
- All test data referenced to 25°C ambient.
- Saturation current(Isat) will cause L0 to drop 10% typical.
- Heat rated current(Irms) will cause the coil temperature rise approximately Δt of 40°C.

Spec Sheet

Part No.: DP02-0810A182K

Product code: TBD

Page: 3/3

Material List

No.	Materials	Description	Suppliers	UL No.
1	Core	Ferrite	Sunrise Ferrite Cores Electronic Co., Ltd. or Equivalent	/
2	Wire	2UEW 155°C	PACIFIC Electric Wire&Cable(Shenzhen) Co.,Ltd. or Equivalent	E201757
3	Tin	Lead-free Sn99.9	Dongguan Thousand Island Metal Foil Co.,Ltd. or Equivalent	/