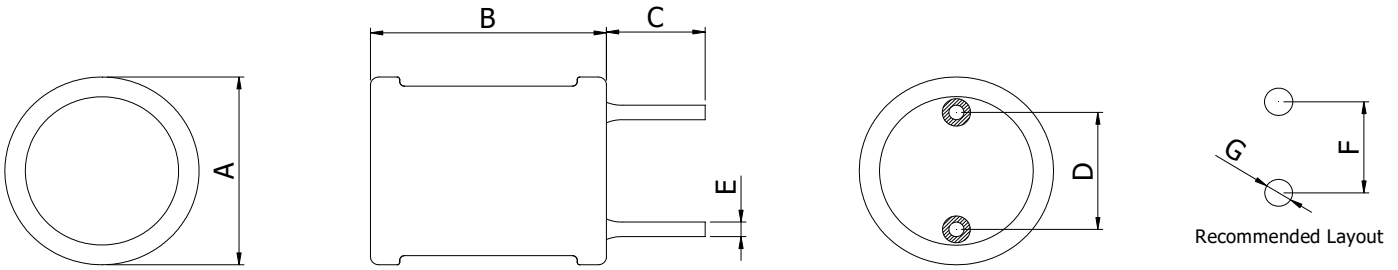
Radial Power Inductors

DP04-1013 Type

Features

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

Mechanical Dimension(Unit:mm)



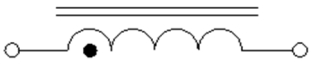
A	B	C	D	E	F	G
Ø10.0Max.	11.5±1.0	5.0±1.0	5.0±0.5	Ø0.6±0.1	5.0±0.5	Ø0.9Ref.

Part Number Description

DP04 - 1013 3R3 M
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



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Tel:+86(769)-82553009 Fax:+86(769)-82553010
E-mail: sales@chikaracoil.com Web:www.chikaracoil.com

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Electrical Characteristic

Part Number	Inductance L0(uH)	Q Typ.	Q Freq.(MHz)	SRF (MHz)Typ.	DCR (Ω)Max.	Rated Current (A)Max.
DP04-10133R3M	3.3±20%	30	7.96	65	0.012	5.00
DP04-10133R9M	3.9±20%	30	7.96	55	0.014	4.60
DP04-10134R7M	4.7±20%	30	7.96	45	0.016	4.30
DP04-10135R6M	5.6±20%	30	7.96	38	0.020	3.90
DP04-10136R8M	6.8±20%	30	7.96	27	0.022	3.70
DP04-10138R2M	8.2±20%	30	7.96	21	0.024	3.50
DP04-1013100K	10±10%	50	2.52	17	0.025	3.20
DP04-1013120K	12±10%	50	2.52	15	0.027	3.00
DP04-1013150K	15±10%	50	2.52	13	0.033	2.80
DP04-1013180K	18±10%	50	2.52	12	0.039	2.60
DP04-1013220K	22±10%	50	2.52	11	0.047	2.40
DP04-1013270K	27±10%	50	2.52	10	0.052	2.10
DP04-1013330K	33±10%	50	2.52	8.5	0.075	1.90
DP04-1013390K	39±10%	40	2.52	7.7	0.082	1.70
DP04-1013470K	47±10%	40	2.52	6.7	0.10	1.50
DP04-1013560K	56±10%	40	2.52	6.4	0.15	1.30
DP04-1013680K	68±10%	30	2.52	5.8	0.18	1.20
DP04-1013820K	82±10%	30	2.52	5.2	0.20	1.10
DP04-1013101K	100±10%	30	0.796	4.4	0.20	0.90
DP04-1013121K	120±10%	30	0.796	4.2	0.22	0.80
DP04-1013151K	150±10%	30	0.796	3.7	0.24	0.72
DP04-1013181K	180±10%	30	0.796	3.5	0.28	0.65
DP04-1013221K	220±10%	20	0.796	3.3	0.35	0.60
DP04-1013271K	270±10%	20	0.796	2.9	0.40	0.55
DP04-1013331K	330±10%	20	0.796	2.6	0.47	0.50
DP04-1013391K	390±10%	20	0.796	2.4	0.68	0.46
DP04-1013471K	470±10%	20	0.796	2.2	0.80	0.42
DP04-1013561K	560±10%	20	0.796	2.0	1.0	0.38
DP04-1013681K	680±10%	20	0.796	1.8	1.2	0.35
DP04-1013821K	820±10%	20	0.796	1.7	1.5	0.31
DP04-1013102K	1000±10%	40	0.252	1.5	1.8	0.28
DP04-1013122K	1200±10%	40	0.252	1.4	2.0	0.25
DP04-1013152K	1500±10%	40	0.252	1.3	2.4	0.23
DP04-1013182K	1800±10%	40	0.252	1.1	2.8	0.21
DP04-1013222K	2200±10%	40	0.252	1.0	3.3	0.19
DP04-1013272K	2700±10%	40	0.252	0.88	5.0	0.17
DP04-1013332K	3300±10%	40	0.252	0.78	5.6	0.15
DP04-1013392K	3900±10%	40	0.252	0.72	6.2	0.14
DP04-1013472K	4700±10%	40	0.252	0.65	7.0	0.13
DP04-1013562K	5600±10%	40	0.252	0.58	9.1	0.12
DP04-1013682K	6800±10%	40	0.252	0.55	10	0.11
DP04-1013822K	8200±10%	20	0.252	0.50	15	0.10
DP04-1013103K	10000±10%	20	0.0796	0.42	24	0.09

- Test frequency and voltage:1KHz,0.25Vrms.
- All test data referenced to 25℃ ambient.
- Rated current: The DC current at which the inductance decreases to 90% ofit's initial value or when Δt=20℃, whichever is lower.

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