DIP Power Inductor –DRGR Series

Applications

- Personal computers.
- Variety of battery power equipment.
- DC power supply circuits.

Inductance and rated current ranges

- DRGR664 22～1000 μH 0.96～0.14A
- DRGR875 22～10000 μH 1.60～0.074A
- DRGR108 10～1000 μH 2.80～0.28A
- DRGR110 10～1000 μH 3.90～0.39A
- Test equipments:

  L&Q:HP4284A Precision LCR meter.

  SRF:HP4291B RF Impedance Analyzer

  DCR: Milli-ohm meter

  Electrical Specification at 25℃

Features

- Magnetically shielded & DIP type.
- Comparatively range rated current and high inductance.
- Low radiation and high dip stability.

Product Identification

DRGR 664 K B 100

(1) (2) (3) (4) (5)

(1)Type: Dip Choke Coils

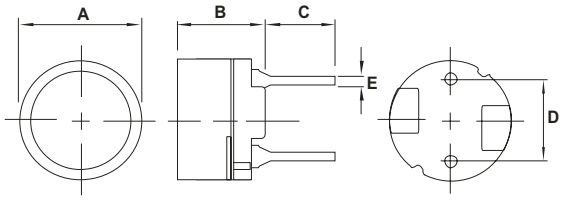
(2)Type: core

(3) Inductance tolerance J=±5% K= ±10% M=±20%

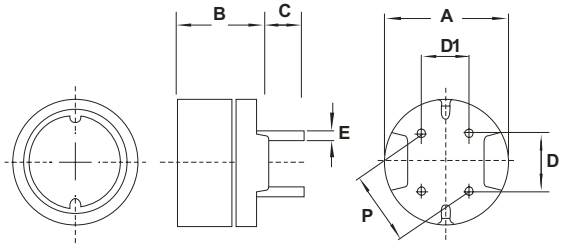
(4) Package: bulk.

(5) Inductance: 100 for 10μH

Dimension



DRGR 664/875



DRGR 108/110

Unit:mm

Codes	A	B	C	D	D1	E	P
DRGR664	6.0±0.5	6.5 Max	4.0±1.0	4.0±0.3	–	0.50±0.1	–
DRGR875	7.8±0.5	7.5 Max	5.0±1.0	5.0±0.3	–	0.70±0.1	–
DRGR108	10.5±0.5	8.0 Max	3.5±1.0	5.0±0.3	4.0±0.3	0.70±0.1	6.40±0.5
DRGR110	10.5±0.5	10.5±0.5	3.5±1.0	5.0±0.3	4.0±0.3	0.70±0.1	6.40±0.5

RoHS

Electrical Characteristics

DRGR 664 / 875 / 108 / 110 TYPE

Part No.	L1 (μH)	Test Freq. (KHz)	DC Resistance (Ω)Max				Rated DC Current (A) Max			
			664	875	108	110	664	875	108	110
100M	10	100			0.05	0.023			2.80	3.90
120M	12	100			0.06	0.024			2.50	3.60
150M	15	100			0.07	0.036			2.30	3.20
180M	18	100			0.08	0.039			2.10	2.90
220M	22	100	0.13	0.08	0.09	0.042	0.96	1.60	2.00	2.60
270M	27	100	0.18	0.10	0.10	0.045	0.87	1.40	1.76	2.40
330M	33	100	0.21	0.14	0.11	0.057	0.78	1.30	1.60	2.10
390M	39	100	0.26	0.15	0.12	0.076	0.72	1.20	1.38	2.00
470M	47	100	0.29	0.17	0.14	0.100	0.66	1.10	1.28	1.80
560M	56	100	0.33	0.19	0.15	0.110	0.60	0.99	1.20	1.60
680M	68	100	0.36	0.21	0.16	0.150	0.55	0.89	1.00	1.50
820M	82	100	0.39	0.27	0.18	0.160	0.50	0.81	0.96	1.40
101K	100	1	0.54	0.32	0.20	0.190	0.45	0.74	0.92	1.20
121K	120	1	0.62	0.36	0.24	0.210	0.41	0.67	0.80	1.10
151K	150	1	0.72	0.51	0.35	0.230	0.37	0.60	0.73	1.00
181K	180	1	0.88	0.57	0.40	0.260	0.34	0.55	0.64	0.92
221K	220	1	0.99	0.76	0.54	0.290	0.30	0.50	0.61	0.83
271K	270	1	1.52	0.86	0.76	0.360	0.27	0.45	0.56	0.75
331K	330	1	1.69	0.97	0.86	0.510	0.25	0.41	0.50	0.68
391K	390	1	1.85	1.28	0.93	0.690	0.23	0.37	0.44	0.62
471K	470	1	2.85	1.44	1.23	0.980	0.21	0.34	0.41	0.57
561K	560	1	3.21	1.61	1.34	1.100	0.19	0.31	0.38	0.52
681K	680	1	3.60	2.07	1.53	1.200	0.17	0.28	0.34	0.47
821K	820	1	4.87	2.33	2.10	1.300	0.16	0.26	0.32	0.43
102K	1000	1	5.56	2.72	2.30	1.500	0.14	0.23	0.28	0.39
122K	1200	1		3.98				0.21		
152K	1500	1		4.50				0.19		
182K	1800	1		6.81				0.17		
222K	2200	1		7.56				0.16		
272K	2700	1		8.54				0.14		
332K	3300	1		9.74				0.13		
392K	3900	1		12.90				0.12		
472K	4700	1		14.70				0.11		
562K	5600	1		20.40				0.099		
682K	6800	1		23.00				0.089		
822K	8200	1		30.60				0.081		
103K	10000	1		35.00				0.074		

1. Rated DC Current: The current when the inductance decrease to 90% of its initial value. (Ta=25℃)
2.Operating temperature range -40～105℃.