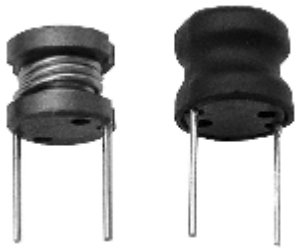
DR SERIES

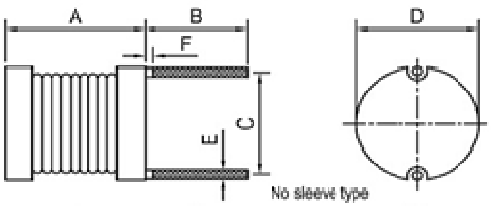
DR CORE WITH SELF-LEAD DESIGN.

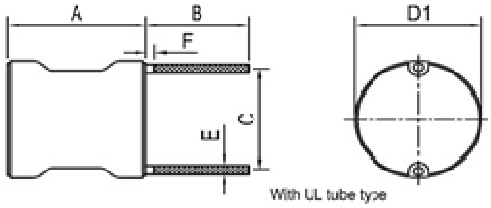


Applications :

- TVs and Audio equipment.
- Telecommunication devices.
- Switching Power Supply.
- Other noise filter.

Shape and Dimensions (Dimensions are in mm) :





Item	A Max.	B	C ±1.0	D1Max.	F	D Max(No sleeve type)	E
DR0606	6.5	5.0±1.0	5.0±1.0	7.0	1.5	6.5	(Refer to specification sheet)
DR0707	7.5	5.0±1.0	6.0±1.0	8.0	1.5	7.5	(Refer to specification sheet)
DR0807	7.5	5.0±1.0	6.0±1.0	9.0	1.5	8.5	(Refer to specification sheet)
DR1010	10.5	10.0±2.0	8.0±1.0	11.5	1.5	11.0	(Refer to specification sheet)
DR1213	15.5	10.0±2.0	11.0±1.0	15.5	1.5	15.0	(Refer to specification sheet)

Features :

- Low cost power inductors.
- Low inductance with high current.
- Best for the power supply line applications.
- Covered with UL tube.

Product Identification :

DR (1) 1010 (2) – 4R7 (3) K (4) - UL (5)

(1) Type: DR core with self-lead design.

(2) Style: Core OD=10mm; L=10mm.

(3) Inductance:"4R7" for 4.7uH.

(4) Inductance tolerance : K: ± 10%, M: ± 20%.

(5) UL: UL tube,black,125℃;No code no tube.

Characteristics:

- Saturation Current (Isat): The current when the inductance becomes 20% lower than its initial value.(Ta=20℃). (DR1010/DR1213 are 10%)
- Temperature Rise Current(Irms): The current when temperature of coil increase up to max.△T=25℃. (Ta=20℃).
- Operating temperature ranges: -20 to 80℃.

Test equipments:

- L & Q: HP4285A or HP4284A.
- DCR : Millil-ohm meter.
- SRF : HM9461 L-SRF meter or equivalent.
- Electrical specifications at 25 ℃.

l DR0606 / 0707 / 0807 / 1010/ 1213 series

Part No.	L @1KHz uH	Q Min.	Q Test Freq.	SRF Min. (MHz)	DCR (Ω) Max.	Rated current (A)		Size E Ref.
						I sat	I rms	
DR0606-1R0M-UL	1.0	20	7.96MHz	100	0.008	6.0	4.3	0.60
DR0606-1R5M-UL	1.5	20	7.96MHz	70	0.009	5.0	3.7	0.55
DR0606-2R2M-UL	2.2	20	7.96MHz	60	0.013	4.0	3.2	0.55
DR0606-3R3M-UL	3.3	20	7.96MHz	50	0.018	3.2	2.7	0.50
DR0606-4R7M-UL	4.7	20	7.96MHz	40	0.024	2.7	2.4	0.50
DR0707-1R0M-UL	1.0	10	7.96MHz	70	0.006	6.6	5.0	0.7
DR0707-1R5M-UL	1.5	10	7.96MHz	56	0.008	5.4	4.3	0.7
DR0707-2R2M-UL	2.2	10	7.96MHz	45	0.011	4.0	3.7	0.7
DR0707-3R3M-UL	3.3	10	7.96MHz	36	0.018	3.6	2.9	0.55
DR0707-4R7M-UL	4.7	10	7.96MHz	29	0.022	3.1	2.6	0.50
DR0707-6R8M-UL	6.8	10	7.96MHz	24	0.028	2.5	2.3	0.50
DR0707-100K-UL	10	20	2.52MHz	19	0.043	2.1	1.9	0.45
DR0707-150K-UL	15	20	2.52MHz	15	0.056	1.7	1.6	0.45
DR0707-220K-UL	22	20	2.52MHz	12	0.086	1.4	1.3	0.40
DR0807-2R2M-UL	2.2	10	7.96MHz	60	0.011	5.5	4.0	0.70
DR0807-3R3M-UL	3.3	10	7.96MHz	38	0.013	3.8	3.4	0.70
DR0807-4R7M-UL	4.7	10	7.96MHz	30	0.017	3.7	3.0	0.60
DR0807-6R8M-UL	6.8	10	7.96MHz	24	0.023	2.8	2.6	0.55
DR0807-100K-UL	10	20	2.52MHz	19	0.031	2.5	2.2	0.55
DR0807-150K-UL	15	20	2.52MHz	15	0.042	2.0	1.9	0.50
DR0807-220K-UL	22	20	2.52MHz	12	0.070	1.6	1.5	0.45
DR1010-3R3M-UL	3.3	10	7.96MHz	36	0.010	8.8	5.9	0.80
DR1010-4R7M-UL	4.7	10	7.96MHz	28	0.015	7.2	4.8	0.80
DR1010-6R8M-UL	6.8	10	7.96MHz	18	0.016	6.1	4.6	0.80
DR1010-100M-UL	10	20	2.52MHz	16	0.025	5.0	3.7	0.80
DR1010-150K-UL	15	20	2.52MHz	12	0.029	4.2	3.4	0.80
DR1010-220K-UL	22	20	2.52MHz	9.5	0.040	3.4	2.9	0.70
DR1010-330K-UL	33	30	2.52MHz	7.0	0.062	2.8	2.3	0.60
DR1010-470K-UL	47	30	2.52MHz	5.8	0.075	2.3	2.1	0.60
DR1010-680K-UL	68	20	2.52MHz	4.7	0.13	1.9	1.6	0.50
DR1010-101K-UL	100	20	796KHz	3.8	0.16	1.6	1.4	0.50
DR1213-100M-UL	10	20	2.52MHz	19	0.023	8.0	5.1	0.90
DR1213-150K-UL	15	20	2.52MHz	12	0.028	6.5	4.5	0.90
DR1213-220K-UL	22	20	2.52MHz	7.6	0.035	5.5	4.2	0.80
DR1213-330K-UL	33	20	2.52MHz	6.9	0.043	4.5	3.7	0.70
DR1213-470K-UL	47	20	2.52MHz	5.6	0.052	3.6	3.4	0.70
DR1213-680K-UL	68	20	2.52MHz	4.4	0.068	3.1	3.0	0.70
DR1213-101K-UL	100	20	796KHz	3.3	0.097	2.6	2.5	0.60
DR1213-151K-UL	150	20	796KHz	2.6	0.140	2.1	2.1	0.55
DR1213-221K-UL	220	20	796KHz	2.2	0.200	1.7	1.7	0.50
DR1213-331K-UL	330	20	796KHz	1.8	0.300	1.4	1.4	0.45

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.