

# COILTRONICS® Shielded Power Inductors



This product is RoHS compliant.

## DR SERIES - HIGH POWER DENSITY, HIGH EFFICIENCY, SHIELDED INDUCTORS

### Features:

- 125°C maximum total temperature operation
- Four sizes of shielded drum core inductors
- Ferrite core material
- Magnetic shielding
- Secure mounting

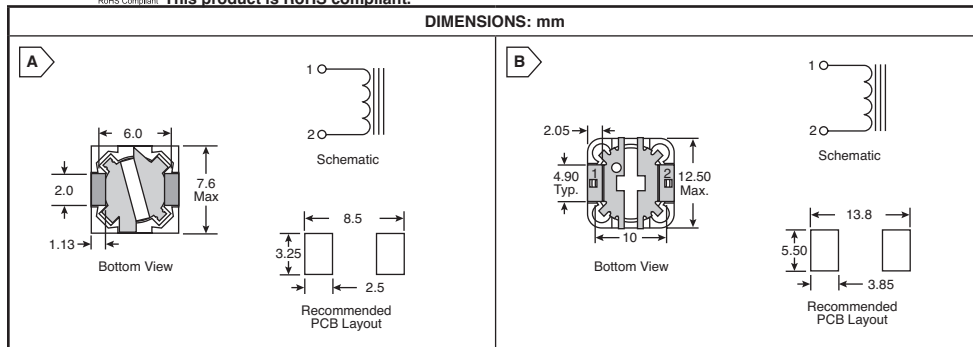


### Specifications:

- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.

### Applications:

- Computer, DVD players, and portable power devices
- LCD panels
- DC-DC converters
- Buck, boost, forward, and resonant converters
- Noise filtering and filter chokes



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	OCL (μH) ±20%	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR (Ω @ 20°C) (Typical)	Volt / μSec (Typical)	Price Each			
									1	50	100	500
704-DR73-R33-R	DR73-R33-R	A	0.33	0.306	6.21	14.4	0.0073	1.98	1.79	1.41	1.26	1.08
704-DR73-1R0-R	DR73-1R0-R	A	1.0	0.992	5.28	7.97	0.0102	3.56	1.79	1.41	1.26	1.08
704-DR73-1R5-R	DR73-1R5-R	A	1.5	1.48	4.67	6.52	0.0130	4.36	1.79	1.41	1.26	1.08
704-DR73-2R2-R	DR73-2R2-R	A	2.2	2.07	4.15	5.52	0.0165	5.15	1.79	1.41	1.26	1.08
704-DR73-3R3-R	DR73-3R3-R	A	3.3	3.54	3.31	4.22	0.0259	6.73	1.79	1.41	1.26	1.08
704-DR73-4R7-R	DR73-4R7-R	A	4.7	4.42	3.09	3.78	0.0297	7.52	1.79	1.41	1.26	1.08
704-DR73-6R8-R	DR73-6R8-R	A	6.8	6.48	2.55	3.12	0.0435	9.11	1.79	1.41	1.26	1.08
704-DR73-8R2-R	DR73-8R2-R	A	8.2	8.93	2.19	2.66	0.0592	10.7	1.79	1.41	1.26	1.08
704-DR73-100-R	DR73-100-R	A	10	10.30	2.08	2.47	0.0656	11.5	1.79	1.41	1.26	1.08
704-DR73-150-R	DR73-150-R	A	15	15.01	1.83	2.05	0.0844	13.9	1.79	1.41	1.26	1.08
704-DR73-220-R	DR73-220-R	A	22	22.65	1.62	1.67	0.107	17.0	1.79	1.41	1.26	1.08
704-DR73-330-R	DR73-330-R	A	33	34.41	1.31	1.35	0.166	21.0	1.79	1.41	1.26	1.08
704-DR73-470-R	DR73-470-R	A	47	48.62	1.08	1.14	0.241	24.9	1.79	1.41	1.26	1.08
704-DR73-101-R	DR73-101-R	A	100	101.4	0.73	0.79	0.527	36.0	1.79	1.41	1.26	1.08
704-DR73-151-R	DR73-151-R	A	150	150.9	0.58	0.65	0.851	44.0	1.79	1.41	1.26	1.08
704-DR73-221-R	DR73-221-R	A	220	223.3	0.52	0.53	1.05	53.5	1.79	1.41	1.26	1.08
704-DR73-331-R	DR73-331-R	A	330	325.5	0.42	0.44	1.59	64.5	1.79	1.41	1.26	1.08
704-DR74-R33-R	DR74-R33-R	A	0.33	0.294	6.26	18.4	0.0074	1.71	1.77	1.52	1.30	1.13
704-DR74-1R0-R	DR74-1R0-R	A	1.0	0.952	5.39	10.2	0.0099	3.08	1.77	1.52	1.30	1.13
704-DR74-1R5-R	DR74-1R5-R	A	1.5	1.42	4.94	8.35	0.0118	3.76	1.77	1.52	1.30	1.13
704-DR74-2R2-R	DR74-2R2-R	A	2.2	1.98	4.76	7.06	0.0126	4.45	1.77	1.52	1.30	1.13
704-DR74-3R3-R	DR74-3R3-R	A	3.3	3.39	3.94	5.40	0.0183	5.81	1.77	1.52	1.30	1.13
704-DR74-4R7-R	DR74-4R7-R	A	4.7	5.18	3.34	4.37	0.0254	7.18	1.77	1.52	1.30	1.13
704-DR74-6R8-R	DR74-6R8-R	A	6.8	7.34	2.60	3.67	0.0418	8.55	1.77	1.52	1.30	1.13
704-DR74-8R2-R	DR74-8R2-R	A	8.2	8.56	2.53	3.40	0.0441	9.23	1.77	1.52	1.30	1.13
704-DR74-100-R	DR74-100-R	A	10	9.88	2.41	3.17	0.0489	9.92	1.77	1.52	1.30	1.13
704-DR74-150-R	DR74-150-R	A	15	16.09	2.11	2.48	0.0637	12.7	1.77	1.52	1.30	1.13
704-DR74-220-R	DR74-220-R	A	22	21.73	1.75	2.13	0.0925	14.7	1.77	1.52	1.30	1.13
704-DR74-330-R	DR74-330-R	A	33	33.01	1.41	1.73	0.143	18.1	1.77	1.52	1.30	1.13
704-DR74-470-R	DR74-470-R	A	47	49.64	1.15	1.41	0.216	22.2	1.77	1.52	1.30	1.13
704-DR74-680-R	DR74-680-R	A	68	69.67	1.03	1.19	0.265	26.3	1.77	1.52	1.30	1.13
704-DR74-101-R	DR74-101-R	A	100	101.6	0.86	0.99	0.383	31.8	1.77	1.52	1.30	1.13
704-DR74-151-R	DR74-151-R	A	150	150.0	0.69	0.81	0.591	38.6	1.77	1.52	1.30	1.13
704-DR74-221-R	DR74-221-R	A	220	227.0	0.56	0.66	0.907	47.5	1.77	1.52	1.30	1.13
704-DR74-331-R	DR74-331-R	A	330	335.6	0.45	0.54	1.41	57.8	1.77	1.52	1.30	1.13
704-DR125-R47-R	DR125-R47-R	B	0.47	0.456	17.6	33.0	0.0018	3.17	1.72	1.60	1.30	1.20
704-DR125-1R0-R	DR125-1R0-R	B	1.0	0.894	15.0	23.6	0.0024	4.43	1.86	1.60	1.32	1.20
704-DR125-1R5-R	DR125-1R5-R	B	1.5	1.47	13.8	18.3	0.0029	5.70	1.86	1.60	1.32	1.20
704-DR125-2R2-R	DR125-2R2-R	B	2.2	2.21	10.9	15.0	0.0045	6.97	1.86	1.60	1.32	1.20
704-DR125-3R3-R	DR125-3R3-R	B	3.3	3.08	9.26	12.7	0.0063	8.23	1.86	1.60	1.32	1.20
704-DR125-4R7-R	DR125-4R7-R	B	4.7	5.27	7.18	9.71	0.0105	10.8	1.86	1.60	1.32	1.20
704-DR125-6R8-R	DR125-6R8-R	B	6.8	6.58	6.64	8.68	0.0123	12.0	1.86	1.60	1.32	1.20
704-DR125-8R2-R	DR125-8R2-R	B	8.2	8.04	5.54	7.86	0.0176	13.3	1.86	1.47	1.32	1.20
704-DR125-100-R	DR125-100-R	B	10	9.65	5.35	7.17	0.0189	14.6	1.86	1.60	1.32	1.20
704-DR125-150-R	DR125-150-R	B	15	15.35	4.27	5.69	0.0298	18.4	1.86	1.60	1.32	1.20
704-DR125-220-R	DR125-220-R	B	22	22.36	3.70	4.71	0.0396	22.2	1.86	1.60	1.32	1.20
704-DR125-330-R	DR125-330-R	B	33	33.74	3.28	3.84	0.0505	27.2	1.86	1.60	1.32	1.20
704-DR125-470-R	DR125-470-R	B	47	47.47	2.71	3.24	0.0740	32.3	1.86	1.60	1.32	1.20
704-DR125-680-R	DR125-680-R	B	68	67.91	2.22	2.70	0.101	38.6	1.86	1.60	1.32	1.20
704-DR125-101-R	DR125-101-R	B	100	102.7	1.78	2.20	0.170	47.5	1.86	1.60	1.32	1.20
704-DR125-151-R	DR125-151-R	B	150	151.1	1.48	1.81	0.248	57.6	1.86	1.60	1.32	1.20
704-DR125-221-R	DR125-221-R	B	220	216.8	1.19	1.51	0.384	69.0	1.86	1.60	1.32	1.20
704-DR125-331-R	DR125-331-R	B	330	332.6	1.06	1.22	0.482	85.5	1.86	1.60	1.32	1.20
704-DR127-R47-R	DR127-R47-R	B	0.47	0.419	17.9	56.0	0.00195	3.5	1.99	1.56	1.37	1.01
704-DR127-1R0-R	DR127-1R0-R	B	1.0	0.821	15.5	40.0	0.00313	4.9	1.99	1.56	1.37	1.01
704-DR127-1R5-R	DR127-1R5-R	B	1.5	1.35	13.5	31.1	0.00341	6.3	1.99	1.56	1.37	1.01
704-DR127-2R2-R	DR127-2R2-R	B	2.2	2.02	12.5	25.5	0.00402	7.7	1.99	1.56	1.37	1.01
704-DR127-3R3-R	DR127-3R3-R	B	3.3	2.83	10.5	21.5	0.00567	9.1	1.99	1.56	1.37	1.01
704-DR127-4R7-R	DR127-4R7-R	B	4.7	4.84	8.25	16.5	0.00917	11.9	1.99	1.56	1.37	1.01
704-DR127-6R8-R	DR127-6R8-R	B	6.8	7.38	7.34	13.3	0.0116	14.7	1.99	1.56	1.37	1.01
704-DR127-8R2-R	DR127-8R2-R	B	8.2	8.86	6.32	12.2	0.0157	16.1	1.99	1.56	1.37	1.01
704-DR127-100-R	DR127-100-R	B	10	10.47	6.04	11.2	0.0172	17.5	1.99	1.56	1.37	1.01
704-DR127-150-R	DR127-150-R	B	15	14.09	5.03	9.66	0.0247	20.3	1.99	1.56	1.37	1.01
704-DR127-220-R	DR127-220-R	B	22	22.93	4.00	7.57	0.0391	25.9	1.99	1.56	1.37	1.01
704-DR127-330-R	DR127-330-R	B	33	33.92	3.23	6.22	0.060	31.5	1.99	1.56	1.37	1.01
704-DR127-470-R	DR127-470-R	B	47	47.05	2.95	5.28	0.0719	37.1	1.99	1.56	1.37	1.01
704-DR127-680-R	DR127-680-R	B	68	66.48	2.44	4.44	0.105	44.1	1.99	1.56	1.37	1.01
704-DR127-101-R	DR127-101-R	B	100	99.31	1.96	3.94	0.163	53.9	1.99	1.56	1.37	1.01
704-DR127-151-R	DR127-151-R	B	150	144.9	1.59	3.01	0.247	65.1	1.99	1.56	1.37	1.01
704-DR127-221-R	DR127-221-R	B	220	221.5	1.29	2.43	0.376	80.5	1.99	1.56	1.37	1.01
704-DR127-331-R	DR127-331-R	B	330	323.6	1.04	2.01	0.574	97.3	1.99	1.56	1.37	1.01
704-DR127-102-R	DR127-102-R	B	1000	1005	0.61	1.14	1.66	172	1.99	1.56	1.37	1.01