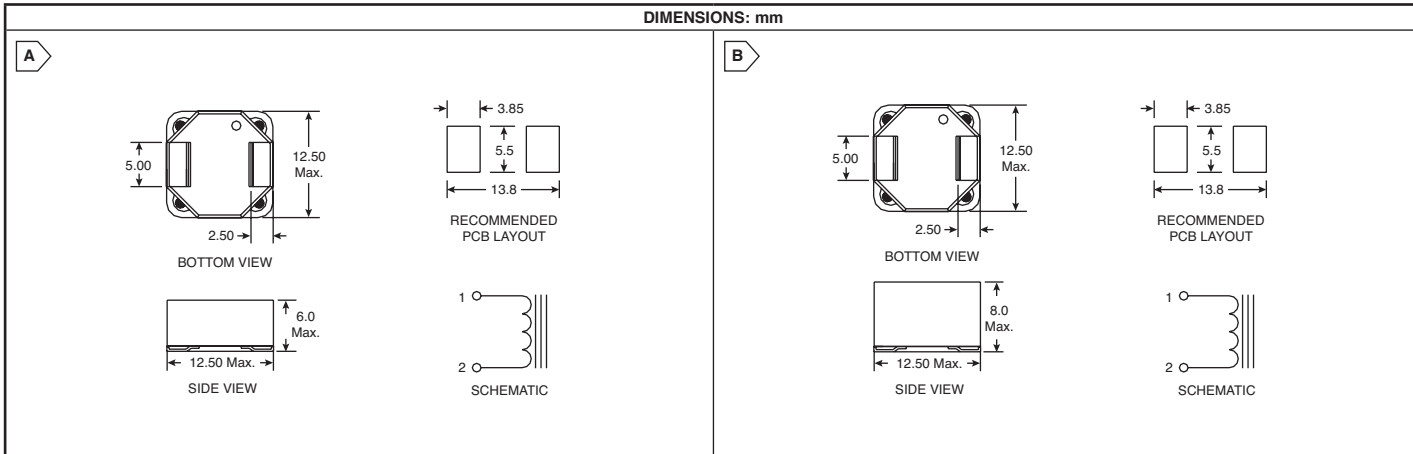


# COILTRONICS® Automotive Rated Shielded Power Inductors



RoHS Compliant This product is RoHS compliant.

## DIMENSIONS: mm



### Features:

- 165°C maximum total temperature operation
- Five sizes of Automotive grade shielded drum core inductors
- Inductance range from 0.28uH to 1000uH
- Current range up to 56 Amps
- Mechanical secure mounting for high shock and vibration environments
- Good thermal dispersion with thermal conductive epoxy
- Customized dual winding versions available upon request for SEPIC or Flyback configurations

### Applications:

- Automotive Electronics (under the hood, interior/exterior)
- Telematics
- DC-DC converters
- Buck, boost, forward, and resonant converters
- Noise filtering and filter chokes

### Environmental Data:

- Storage temperature range: -40°C to +165°C
- Operating ambient temperature range: -40°C to +165°C
- Solder reflow temperature: +260°C max. for 10 seconds max.
- Complies with AEC-Q200 standard

## DRA125 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	Open Circuit Inductance (μH)	Irms (A)	Isat (A)	DCR (Ω)	Price Each				Reel Quantity	Price Each
								1	10	50	100		
704-DRA125-R47-R	DRA125-R47-R	A	0.47	0.453	18.47	33.20	0.0016	1.53	1.23	1.11	1.02	600	.871
704-DRA125-1R0-R	DRA125-1R0-R	A	1.0	0.854	15.94	23.71	0.0021	1.53	1.23	1.11	1.02	600	.871
704-DRA125-1R5-R	DRA125-1R5-R	A	1.5	1.41	12.89	18.44	0.0033	1.53	1.23	1.11	1.02	600	.871
704-DRA125-2R2-R	DRA125-2R2-R	A	2.2	2.12	10.61	15.09	0.0048	1.53	1.23	1.11	1.02	600	.871
704-DRA125-3R3-R	DRA125-3R3-R	A	3.3	2.89	9.69	12.77	0.0058	1.53	1.23	1.11	1.02	600	.871
704-DRA125-4R7-R	DRA125-4R7-R	A	4.7	4.90	7.67	9.76	0.0092	1.53	1.23	1.11	1.02	600	.871
704-DRA125-6R8-R	DRA125-6R8-R	A	6.8	6.23	6.81	8.74	0.012	1.53	1.23	1.11	1.02	600	.871
704-DRA125-8R2-R	DRA125-8R2-R	A	8.2	7.49	6.41	7.9	0.013	1.53	1.23	1.11	1.02	600	.871
704-DRA125-100-R	DRA125-100-R	A	10.0	9.22	5.57	7.22	0.017	1.53	1.23	1.11	1.02	600	.871
704-DRA125-150-R	DRA125-150-R	A	15.0	14.67	4.45	5.72	0.027	1.53	1.23	1.11	1.02	600	.871
704-DRA125-220-R	DRA125-220-R	A	22.0	20.65	3.95	4.74	0.035	1.27	1.14	1.02	.924	600	.792
704-DRA125-330-R	DRA125-330-R	A	33.0	31.47	3.19	3.86	0.053	1.27	1.14	1.02	.924	600	.792
704-DRA125-470-R	DRA125-470-R	A	47.0	47.83	2.59	3.13	0.081	1.27	1.14	1.02	.924	600	.792
704-DRA125-680-R	DRA125-680-R	A	68.0	68.48	2.125	2.635	0.120	1.27	1.14	1.02	.924	600	.792
704-DRA125-820-R	DRA125-820-R	A	82.0	80.86	2.005	2.406	0.135	1.53	1.23	1.11	1.02	600	.871
704-DRA125-101-R	DRA125-101-R	A	100	97.6	1.745	2.213	0.178	1.53	1.23	1.11	1.02	600	.871
704-DRA125-151-R	DRA125-151-R	A	150	150.0	1.409	1.785	0.273	1.53	1.23	1.11	1.02	600	.871
704-DRA125-221-R	DRA125-221-R	A	220	222.8	1.142	1.469	0.416	1.27	1.14	1.02	.924	600	.792
704-DRA125-331-R	DRA125-331-R	A	330	325.1	0.998	1.194	0.543	1.27	1.14	1.02	.924	600	.792
704-DRA125-471-R	DRA125-471-R	A	470	466.3	0.826	1.006	0.79	1.53	1.23	1.11	1.02	600	.871
704-DRA125-681-R	DRA125-681-R	A	680	683.3	0.673	0.834	1.20	1.53	1.23	1.11	1.02	600	.871
704-DRA125-821-R	DRA125-821-R	A	820	813.6	0.632	0.758	1.36	1.53	1.23	1.11	1.02	600	.871
704-DRA125-102-R	DRA125-102-R	A	1000	992.8	0.552	0.695	1.78	1.53	1.23	1.11	1.02	600	.871

## DRA127 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	Open Circuit Inductance (μH)	Irms (A)	Isat (A)	DCR (Ω)	Price Each				Reel Quantity	Price Each
								1	10	50	100		
704-DRA127-R47-R	DRA127-R47-R	B	0.47	0.413	22.5	56	0.0012	1.78	1.51	1.35	1.21	350	1.05
704-DRA127-1R0-R	DRA127-1R0-R	B	1.0	0.772	19.22	40	0.0017	1.60	1.35	1.21	1.09	350	.994
704-DRA127-1R5-R	DRA127-1R5-R	B	1.5	1.27	15.32	31.1	0.0027	1.78	1.51	1.35	1.21	350	1.05
704-DRA127-2R2-R	DRA127-2R2-R	B	2.2	1.92	12.52	25.5	0.0040	1.81	1.53	1.37	1.23	350	1.06
704-DRA127-3R3-R	DRA127-3R3-R	B	3.3	3.51	9.59	18.7	0.0068	1.78	1.51	1.35	1.21	350	1.05
704-DRA127-4R7-R	DRA127-4R7-R	B	4.7	4.58	8.14	16.5	0.0094	1.70	1.44	1.29	1.16	350	1.00
704-DRA127-6R8-R	DRA127-6R8-R	B	6.8	6.72	7.32	13.3	0.012	1.76	1.48	1.33	1.20	350	1.03
704-DRA127-8R2-R	DRA127-8R2-R	B	8.2	8.33	6.33	12.2	0.016	1.73	1.46	1.31	1.18	350	1.01
704-DRA127-100-R	DRA127-100-R	B	10.0	9.63	6.02	11.2	0.017	1.36	1.09	.992	.92	350	.897
704-DRA127-150-R	DRA127-150-R	B	15.0	14.90	4.83	9.03	0.027	1.73	1.46	1.31	1.18	350	1.01
704-DRA127-220-R	DRA127-220-R	B	22.0	21.47	3.98	7.57	0.040	1.70	1.44	1.29	1.16	350	1.00
704-DRA127-330-R	DRA127-330-R	B	33.0	32.01	3.22	6.22	0.060	1.41	1.13	1.03	.99	350	.928
704-DRA127-470-R	DRA127-470-R	B	47.0	47.91	2.62	5.09	0.091	1.41	1.13	1.03	.99	350	.928
704-DRA127-680-R	DRA127-680-R	B	68.0	68.22	2.333	4.18	0.115	1.73	1.46	1.31	1.18	350	1.01
704-DRA127-820-R	DRA127-820-R	B	82.0	83.91	2.008	3.84	0.155	1.70	1.44	1.29	1.16	350	1.00
704-DRA127-101-R	DRA127-101-R	B	100	100.8	1.888	3.46	0.175	1.73	1.46	1.31	1.18	350	1.01
704-DRA127-151-R	DRA127-151-R	B	150	151.2	1.524	2.83	0.269	1.73	1.46	1.31	1.18	350	1.01
704-DRA127-221-R	DRA127-221-R	B	220	219.8	1.253	2.35	0.398	1.73	1.46	1.31	1.18	350	1.01
704-DRA127-331-R	DRA127-331-R	B	330	328.3	1.011	1.93	0.612	1.40	1.13	1.03	.99	350	.928
704-DRA127-471-R	DRA127-471-R	B	470	474.5	0.827	1.62	0.91	1.70	1.44	1.29	1.16	350	1.00
704-DRA127-681-R	DRA127-681-R	B	680	676.6	0.736	1.33	1.15	1.73	1.46	1.31	1.18	350	1.01
704-DRA127-821-R	DRA127-821-R	B	820	824.6	0.637	1.22	1.54	1.73	1.46	1.31	1.18	350	1.01
704-DRA127-102-R	DRA127-102-R	B	1000	998.7	0.598	1.1	1.75	1.76	1.48	1.33	1.20	350	1.03

Coiltronics Inductors