

# COILTRONICS® Low Profile Power Inductors



RoHS Compliant This product is RoHS compliant.

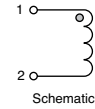
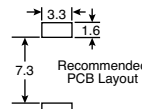
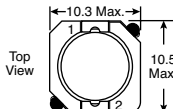
## DR1030 SERIES

### Features:

- 125°C maximum total temperature operation
- 10.3mm x 10.5mm x 3.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

### 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.



DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (µH)	OCL (µH) ±30%	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	10	100	500
704-DR1030-1R1-R	DR1030-1R1-R	1.1	1.1	7.0	9.50	6.5	7.9	22				
704-DR1030-1R8-R	DR1030-1R8-R	1.8	1.9	5.9	7.41	9.1	11.0	17				
704-DR1030-2R8-R	DR1030-2R8-R	2.8	2.8	5.1	6.08	12.1	14.5	14				
704-DR1030-3R9-R	DR1030-3R9-R	3.9	4.0	4.3	5.13	16.4	20.0	12				
704-DR1030-5R2-R	DR1030-5R2-R	5.2	5.2	3.7	4.75	22.9	27.5	10				
704-DR1030-6R8-R	DR1030-6R8-R	6.8	6.8	3.5	3.90	24.9	30.0	9.0				
704-DR1030-8R2-R	DR1030-8R2-R	8.2	8.4	3.3	3.54	28.4	34.1	8.0				
704-DR1030-100-R	DR1030-100-R	10	10.4	2.8	3.18	40.2	48.0	7.0				
704-DR1030-150-R	DR1030-150-R	15	14.8	2.3	2.66	57.3	68.8	6.0				
704-DR1030-220-R	DR1030-220-R	22	22.8	1.8	2.19	95.5	114.6	4.5				
704-DR1030-330-R	DR1030-330-R	33	32.4	1.6	1.81	113.6	136.3	4.0				
704-DR1030-470-R	DR1030-470-R	47	47.9	1.3	1.52	166.6	200.0	3.4				
704-DR1030-680-R	DR1030-680-R	68	66.6	1.1	1.24	253.1	303.7	2.9				
704-DR1030-101-R	DR1030-101-R	100	100.0	0.86	1.05	375.0	450.0	2.4				
704-DR1030-151-R	DR1030-151-R	150	155.3	0.68	0.86	590.0	700.0	1.4				

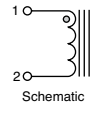
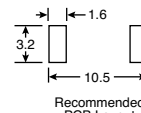
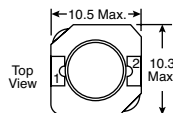
## DR1040 SERIES

### Features:

- 125°C maximum total temperature operation
- 10.3mm x 10.5mm x 4.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

### 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.



DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (µH)	OCL (µH) ±30%	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	50	100	500
704-DR1040-1R5-R	DR1040-1R5-R	1.5	1.4	6.5	10	6	8.1	15.48				
704-DR1040-2R5-R	DR1040-2R5-R	2.5	2.4	6.1	7.8	7	9	12.04				
704-DR1040-3R8-R	DR1040-3R8-R	3.8	3.6	5.5	6.4	9.6	13	9.85				
704-DR1040-5R2-R	DR1040-5R2-R	5.2	5.2	5.4	5.5	14	17	8.33				
704-DR1040-7R0-R	DR1040-7R0-R	7.0	6.8	4.5	4.8	17	20	7.22				
704-DR1040-8R2-R	DR1040-8R2-R	8.2	8.1	3.98	4.6	24	29	6.37				
704-DR1040-100-R	DR1040-100-R	10	9.6	3.8	4.4	26	35	5.70				
704-DR1040-150-R	DR1040-150-R	15	14.9	3.1	3.6	37	50	4.71				
704-DR1040-220-R	DR1040-220-R	22	21.1	2.5	2.9	54	73	4.01				
704-DR1040-330-R	DR1040-330-R	33	32.6	2.2	2.45	69	93	3.28				
704-DR1040-470-R	DR1040-470-R	47	45.8	1.9	2.10	95	128	2.78				
704-DR1040-680-R	DR1040-680-R	68	65.3	1.42	1.65	152	183	2.30				
704-DR1040-820-R	DR1040-820-R	82	86.8	1.29	1.47	214	260	2.04				
704-DR1040-101-R	DR1040-101-R	100	101.4	1.25	1.35	225	304	1.90				
704-DR1040-151-R	DR1040-151-R	150	148.3	0.85	1.15	356	430	1.57				
704-DR1040-221-R	DR1040-221-R	220	216.2	0.70	0.92	530	640	1.27				
704-DR1040-331-R	DR1040-331-R	330	323.4	0.52	0.70	810	1090	1.03				

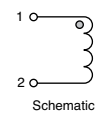
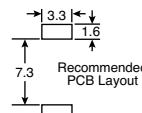
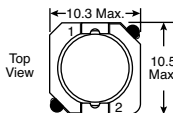
## DR1050 SERIES

### Features:

- 125°C maximum total temperature operation
- 10.3mm x 10.5mm x 5.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

### 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.



DIMENSIONS: mm



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (µH)	OCL (µH) ±30%	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	10	50	100
704-DR1050-R80-R	DR1050-R80-R	0.8	0.70	9.70	13.5	3.2	4.0	20.47				
704-DR1050-1R5-R	DR1050-1R5-R	1.5	1.37	8.60	10.5	4.0	5.0	14.62				
704-DR1050-2R2-R	DR1050-2R2-R	2.2	2.27	7.52	9.25	5.6	6.8	11.37				
704-DR1050-8R2-R	DR1050-8R2-R	8.2	8.09	5.24	5.00	15.1	19.0	6.02				
704-DR1050-100-R	DR1050-100-R	10	10.1	4.80	4.58	18.0	22.5	5.39				
704-DR1050-150-R	DR1050-150-R	15	14.8	3.80	3.70	26.0	32.5	4.45				
704-DR1050-220-R	DR1050-220-R	22	23.5	3.12	3.00	38.7	48.4	3.53				
704-DR1050-330-R	DR1050-330-R	33	34.3	2.56	2.50	57.5	71.9	2.92				
704-DR1050-470-R	DR1050-470-R	47	47.1	2.06	2.10	89.0	111	2.50				
704-DR1050-560-R	DR1050-560-R	56	56.7	1.96	1.94	98.0	123	2.27				
704-DR1050-680-R	DR1050-680-R	68	67.2	1.84	1.70	111	139	2.09				
704-DR1050-101-R	DR1050-101-R	100	97.5	1.52	1.45	164	205	1.73				
704-DR1050-151-R	DR1050-151-R	150	149.2	1.26	1.15	238	298	1.40				
704-DR1050-221-R	DR1050-221-R	220	221.8	1.00	0.98	377	472	1.15				
704-DR1050-331-R	DR1050-331-R	330	320.6	0.83	0.80	554	693	0.96				
704-DR1050-391-R	DR1050-391-R	390	396.5	0.76	0.72	648	810	0.86				

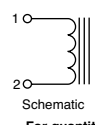
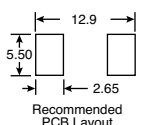
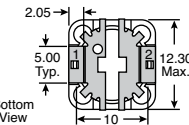
## DR124 SERIES

### Features:

- 125°C maximum total temperature operation
- 12.3mm x 12.3mm x 4.5mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

### 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.



DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (µH)	OCL (µH) ±20%	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	50	100	500
704-DR124-2R2-R	DR124-2R2-R	2.2	2.04	9.1	11.45	5.92	7.1	7.96				
704-DR124-4R7-R	DR124-4R7-R	4.7	4.88	6.5	7.65	13.50	16.2	5.15				
704-DR124-100-R	DR124-100-R	10	8.94	4.5	5.80	23.33	28.0	3.81				
704-DR124-120-R	DR124-120-R	12	11.5	4.1	4.96	31.67	38.0	3.5				
704-DR124-150-R	DR124-150-R	15	14.2	3.6	4.62	37.30	44.8	3.02				
704-DR124-221-R	DR124-221-R	220	216	1.0	1.15	558	669.6	0.77				