



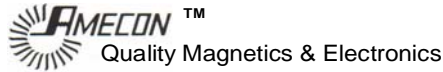
RTI Electronics, Inc.™

1800 E. Via Burton Street
Anaheim, CA 92806-1213

Phone : 714-765-8200

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A Wholly Owned Subsidiary of IntriCon Corporation



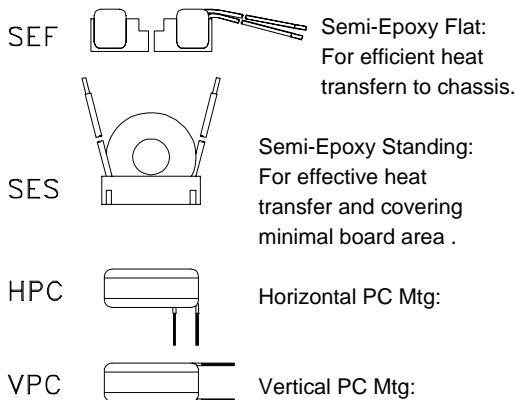
Inductors for DC application.

- Small size
- Low price
- Repeatable performance
- High reliability
- Delivery in 2 weeks or less
- Many mounting options available
- Other values not listed also available.

Applications

- Also suitable for EMI/RFI noise filtering.
- To filter out ripple in DC rectification circuits. Noise rejection.
- Power filtering from DC to 50MHz.
- For switch-mode power regulator controls and other energy storage circuits.

Mounting Options



	Idc	I max	L	Temp	DCR @	Tot.
	A	A	±10% (mH)	Rise (°C)	20°C (ohm)	Wt. (LB.)
0508-01	5.7	9.4	0.011	26	0.018	0.018
0508-02	4.8	7.6	0.016	28	0.021	0.017
0508-03	4.1	6.2	0.021	31	0.026	0.016
0508-04	3.6	5.2	0.027	34	0.032	0.015
0508-05	3.2	4.3	0.034	38	0.041	0.014
0508-06	2.7	3.5	0.047	41	0.056	0.013
0508-07	2.4	2.9	0.060	46	0.074	0.012
0508-08	2.1	2.4	0.080	51	0.10	0.012
0508-09	1.9	2.0	0.10	58	0.14	0.011
0508-10	1.4	1.4	0.15	65	0.26	0.010
0508-11	1.0	1.0	0.23	65	0.49	0.009
0812-01	6.3	12.3	0.033	20	0.020	0.055
0812-02	5.4	10.0	0.046	22	0.024	0.052
0812-03	4.8	8.4	0.057	24	0.030	0.049
0812-04	4.2	6.9	0.077	26	0.039	0.046
0812-05	3.7	5.8	0.096	30	0.050	0.044
0812-06	3.2	4.7	0.13	33	0.067	0.042
0812-07	2.9	3.9	0.16	36	0.091	0.040
0812-08	2.6	3.3	0.20	40	0.12	0.039
0812-09	2.3	2.8	0.26	45	0.17	0.037
0812-10	2.0	2.3	0.33	51	0.23	0.036
0812-11	1.8	1.9	0.42	56	0.33	0.035
0812-12	1.4	1.4	0.67	65	0.64	0.034
0812-13	0.95	0.95	1.05	65	1.25	0.032

- For 0508/0812 series, I_{dc} is the DC current at which the inductance drops by 30%, or the temperature rises by 65°C, whichever is smaller.

- Temp. rise shown is at stated I_{dc}.

- I_{max} is the continuous dc current at which the temperature rise is 65°C.

- L is the low-level inductance, derived from given AL values.

- DCR is at 20°C.

Dimensions			
Size	without case/with case		
Code	OD(in)	ID(in)	HT(in)
0508	0.60/0.66	0.25/0.00	0.30/0.35
812	0.9/1.00	0.40/0.00	0.48/0.58
1014	1.19/1.30	0.45/0.00	0.58/0.70
1414	1.41/1.56	0.54/0.00	0.56/0.71
1618	1.7/1.85	0.83/0.00	0.71/0.86
2018	2.17/2.3	1.11/0.00	0.75/0.87
2223	2.46/2.62	1.21/0.00	0.95/1.10
2626	2.83/2.98	1.34/0.00	1.08/1.23



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Inductors for DC application.

	Idc	I max	L	Temp	DCR @	Tot.
	A	A	±10% (mH)	Rise (°C)	20°C (ohm)	Wt. (LB.)
1014-01	11.8	17.9	0.042	31	0.017	0.12
1014-02	10.4	14.8	0.055	34	0.020	0.11
1014-03	9.2	12.4	0.069	38	0.025	0.10
1014-04	8.0	10.2	0.09	42	0.031	0.10
1014-05	6.9	8.4	0.12	46	0.040	0.10
1014-06	6.2	7.0	0.15	52	0.052	0.09
1014-07	5.4	5.8	0.20	57	0.070	0.09
1014-08	4.8	4.8	0.26	64	0.095	0.09
1014-09	4.0	4.0	0.33	65	0.130	0.08
1414-01	14.1	21.8	0.048	30	0.017	0.18
1414-02	12.3	18.0	0.062	33	0.019	0.17
1414-03	10.6	14.7	0.085	36	0.024	0.16
1414-04	9.2	12.1	0.11	40	0.029	0.15
1414-05	8.2	10.1	0.14	44	0.037	0.15
1414-06	7.2	8.4	0.18	49	0.048	0.14
1414-07	6.4	7.0	0.23	55	0.063	0.14
1414-08	5.7	5.9	0.29	62	0.085	0.14
1414-09	4.9	4.9	0.38	65	0.117	0.13
1618-01	12.8	23.3	0.09	22	0.019	0.30
1618-02	11.3	19.4	0.11	25	0.022	0.28
1618-03	9.8	16.0	0.15	27	0.027	0.27
1618-04	8.7	13.3	0.19	30	0.034	0.26
1618-05	7.7	11.0	0.25	34	0.044	0.25
1618-06	6.9	9.2	0.31	38	0.057	0.24
1618-07	6.0	7.7	0.41	42	0.077	0.23
1618-08	5.3	6.4	0.51	46	0.10	0.22
1618-09	4.7	5.4	0.65	52	0.14	0.22
1618-10	4.2	4.5	0.82	58	0.20	0.21
1618-11	3.7	3.7	1.05	65	0.27	0.21
1618-12	3.2	3.2	1.29	65	0.38	0.20

	Idc	I max	L	Temp	DCR @	Tot.
	A	A	±10% (mH)	Rise (°C)	20°C (ohm)	Wt. (LB.)
2018-01	16.1	19.7	0.15	50	0.022	0.43
2018-02	14.4	16.4	0.19	54	0.027	0.41
2018-03	12.5	13.5	0.26	58	0.035	0.39
2018-04	11.0	11.2	0.33	63	0.045	0.38
2018-05	9.4	9.4	0.41	65	0.06	0.36
2018-06	7.8	7.8	0.53	65	0.08	0.35
2018-07	6.5	6.5	0.68	65	0.11	0.34
2018-08	5.4	5.4	0.85	65	0.14	0.33
2018-09	4.6	4.6	1.07	65	0.20	0.32
2223-01	16.1	18.8	0.25	54	0.026	0.65
2223-02	14.0	15.4	0.33	58	0.033	0.63
2223-03	12.4	12.8	0.42	62	0.043	0.60
2223-04	10.6	10.6	0.54	65	0.057	0.58
2223-05	8.9	8.9	0.67	65	0.075	0.56
2223-06	7.4	7.4	0.86	65	0.10	0.55
2223-07	6.2	6.2	1.10	65	0.14	0.53
2223-08	5.2	5.2	1.39	65	0.19	0.52
2223-09	4.3	4.3	1.77	65	0.27	0.51
2626-01	19.7	22.1	0.27	57	0.024	0.98
2626-02	17.6	18.5	0.34	61	0.029	0.94
2626-03	15.4	15.4	0.43	65	0.037	0.91
2626-04	12.8	12.8	0.55	65	0.048	0.88
2626-05	10.7	10.7	0.70	65	0.064	0.86
2626-06	8.9	8.9	0.90	65	0.087	0.84
2626-07	7.4	7.4	1.15	65	0.12	0.82
2626-08	6.2	6.2	1.45	65	0.16	0.81
2626-09	5.2	5.2	1.82	65	0.22	0.79
2626-10	4.4	4.4	2.31	65	0.31	0.78
2734-01	21.3	20.1	0.35	56	0.02	1.41
2734-02	18.5	20.1	0.46	60	0.03	1.37
2734-03	16.4	16.7	0.59	64	0.04	1.32
2734-04	14.1	14.1	0.73	65	0.05	1.28
2734-05	11.8	11.8	0.91	65	0.06	1.24
2734-06	9.9	9.9	1.14	65	0.08	1.21
2734-07	8.3	8.3	1.44	65	0.11	1.18
2734-08	6.9	6.9	1.81	65	0.15	1.16
2734-09	5.8	5.8	2.30	65	0.20	1.14
2734-10	4.9	4.9	2.91	65	0.28	1.12
2734-11	4.1	4.1	3.70	65	0.40	1.11

- For 1014...1618 series, I_{dc} is the DC current at which the inductance drops by 40%, or the temperature rises by 65°C, whichever is smaller.
- For 2018...2734 series, I_{dc} is the DC current at which the inductance drops by 50%, or the temperature rises by 65°C, whichever is smaller.
- Temp. rise shown is at stated I_{dc}.
- I_{max} is the continuous dc current at which the temperature rise is 65°C.
- L is the low-level inductance, derived from given AL values.
- DCR is at 20°C.