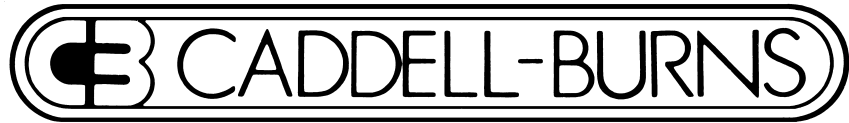


QUALITY COILS SINCE 1946

tel: 516-746-2310 fax: 516-742-2416
 email: caddell-burns@erols.com
 258 East Second Street
 Mineola, New York 11501-3508

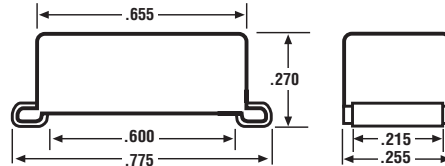
RoHS Compliant Information

Price List



SURFACE MOUNT INDUCTORS

Type 7700 1.0 μ H - 100mH 10% Tolerance



NOTES:

- INDUCTANCE measured on QuadTech/GenRad 1659 RLC Digibridge at 1.0 KHz. (Values less than 10 μ H are measured at 10 KHz.)
- CURRENT RATING (Rated IDC) is based on 0.25 watt power dissipation for approximately 20°C temperature rise. Depending on the application, these units may be operated at up to twice the rated current.
- INCREMENTAL CURRENT (INCR I) is the minimum current at which the inductance will be decreased by 5% from its initial (zero-DC) value.
- DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS.

- OPERATING TEMPERATURE RANGE: -55° to +105°C.
- MARKING: Printed with Caddell-Burns Part Number.
- MATERIALS:

Core: Ferrite
 Case: Glass-filled Polyphenylene Sulfide (RYTON)
 Magnet Wire: Per FED SPEC J-W 001177/9
 Terminals: Copper, 110 alloy
 60 - 40 Solder Coated

STANDARD VALUES:

Dash No.	Nominal Inductance	Max. DCR Ohms	Min. SRF MHz	Rated IDC ma	INCR I ma	Part No.	Nominal Inductance	Max. DCR Ohms	Min. SRF MHz	Rated IDC ma	INCR I ma
-01	1.0 μ H	.010	155	5.000	6.400	-31	330 μ H	.72	1.4	590	320
-02	1.2	.011	148	4.800	6.000	-32	390	.79	1.3	560	300
-03	1.5	.012	128	4.600	5.000	-33	470	.88	1.2	530	270
-04	1.8	.013	120	4.400	4.500	-34	560	1.2	1.1	460	250
-05	2.2	.014	108	4.200	4.100	-35	680	1.5	1.0	410	230
-06	2.7	.015	100	4.100	3.600	-36	820	1.7	.96	380	210
-07	3.3	.016	96	4.000	3.200	-37	1.0 mH	1.9	.88	360	190
-08	3.9	.017	90	3.800	3.000	-38	1.2	2.4	.78	320	170
-09	4.7	.022	85	3.400	2.700	-39	1.5	2.8	.64	300	150
-10	5.6	.028	76	3.000	2.500	-40	1.8	3.1	.60	280	140
-11	6.8	.031	70	2.800	2.300	-41	2.2	4.5	.54	240	120
-12	8.2	.035	51	2.700	2.000	-42	2.7	5.8	.44	210	110
-13	10	.038	35	2.600	1.900	-43	3.3	8.1	.43	180	100
-14	12	.043	21	2.400	1.700	-44	3.9	8.9	.40	170	95
-15	15	.049	14	2.300	1.500	-45	4.7	10	.38	160	86
-16	18	.054	10	2.200	1.400	-46	5.6	11	.35	150	79
-17	22	.059	8.0	2.100	1.300	-47	6.8	15	.29	130	72
-18	27	.070	6.5	1.900	1.100	-48	8.2	17	.26	120	65
-19	33	.077	6.1	1.800	1.000	-49	10	22	.24	110	59
-20	39	.084	5.7	1.700	940	-50	12	26	.23	100	54
-21	47	.093	5.1	1.600	870	-51	15	34	.19	86	48
-22	56	.12	4.3	1.500	790	-52	18	39	.17	80	44
-23	68	.13	3.6	1.400	710	-53	22	54	.16	68	40
-24	82	.16	3.2	1.300	650	-54	27	62	.15	64	36
-25	100	.24	3.0	1.000	590	-55	33	82	.12	55	32
-26	120	.32	2.7	880	540	-56	39	93	.11	52	30
-27	150	.43	2.1	760	480	-57	47	120	.096	46	27
-28	180	.48	1.7	720	440	-58	56	130	.092	44	25
-29	220	.55	1.6	670	400	-59	68	190	.088	36	23
-30	270	.62	1.5	640	360	-60	82	210	.080	35	21
						-61	100	270	.074	30	19

INDUCTOR SELECTION KITS FOR DESIGN ENGINEERS

Type 7700 inductors are available in kits to assist the designer of switching regulators, power supplies, and filters in selecting the optimal inductor for a given application.

Each kit contains 25 inductors, covering two decades of inductance values.

FREE REFILL order forms are included, to replace parts as they are used, or to obtain samples of additional values not included with the kits.

Kit Part No.	Dash No.'s Included	Inductance Range
7700 KIT-1	-01 thru -25 (1 ea)	1.0 μ H-100 μ H
7700 KIT-2	-13 thru -37 (1 ea)	10 μ H-1.0mH
7700 KIT-3	-25 thru -49 (1 ea)	100 μ H-10mH
7700 KIT-4	-37 thru -61 (1 ea)	1.0mH-100mH

Custom kits are also available.

CADDELL-BURNS DOES NOT SELL THRU DISTRIBUTORS. ALL SALES ARE DIRECT.