RoHS Compliant Information Price List

CADDELL-BURNS

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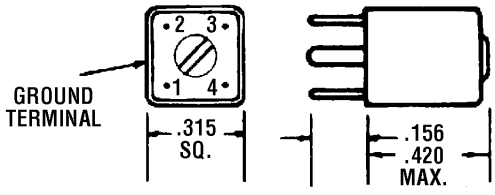
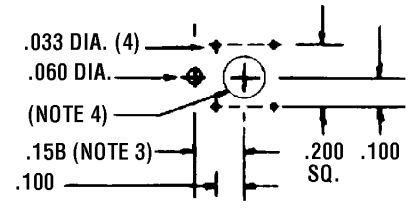
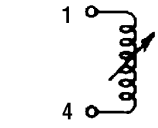
SUBMINATURE SHIELDED VARIABLE INDUCTORS

TYPE 6740 0.08 µH - 12 mH





RECOMMENDED MOUNTING LAYOUT



SCHEMATIC
(TOL ± .003)

NOTES:

1. Effective inductance and Q measured on Hewlett-Packard 4342A Q-meter at frequencies specified, in accordance with MIL-C-15305.
2. Self-resonant frequencies are measured at nominal inductance.
3. Ground terminal may be bent as required to fit existing layouts.
4. Provide .156 DIA hole if bottom access to tuning core is desired. Tuning range on -38 thru -61 may be extended by allowing core to extend 1/16″ below mounting surface (when Lmin = 1/2Lnom).
5. Current rating is based on 1/4 watt power dissipation.
6. MATERIALS—
   Terminals: tin plated copper.
   Terminal Base: molded phenolic
   Coil Form: polyester fiberglass
   Core: moisture-proofed powered iron or ferrite
   Shield Can: tin plated copper
   Impregnation: varnish per MIL-V-173

STANDARD VALUES: (Intermediate and special values are available on special order.)

Part No.	Nominal Inductance	Minimum Range LMin.	Lmax.	Min Q @LNom.	Test Freq. M Hz.	Max. DCR Ohms	Min. SFR M Hz Note 2	Max. IDC mA Note 5
6740-01	0.10 µH	0.08 µH	0.12 µH	80	25	0.020	250	3500
6740-02	0.12	0.10	0.15	80	25	0.028	250	3000
6740-03	0.15	0.12	0.18	85	25	0.030	250	2800
6740-04	0.18	0.15	0.22	85	25	0.041	250	2500
6740-05	0.22	0.18	0.27	85	25	0.047	250	2300
6740-06	0.27	0.22	0.33	85	25	0.049	250	2200
6740-07	0.33	0.27	0.39	90	25	0.053	250	2100
6740-08	0.39	0.33	0.47	90	25	0.14	240	1300
6740-09	0.47	0.39	0.56	90	25	0.16	230	1200
6740-10	0.56	0.47	0.68	90	25	0.18	210	1100
6740-11	0.68	0.56	0.82	90	25	0.19	200	1100
6740-12	0.82	0.68	1.0	90	25	0.21	180	1000
6740-13	1.0	0.82	1.2	90	25	0.35	160	850
6740-14	1.2	0.91	1.5	60	7.9	0.38	140	810
6740-15	1.5	1.0	1.8	60	7.9	0.40	120	790
6740-16	1.8	1.2	2.2	60	7.9	0.71	110	590
6740-17	2.2	1.5	2.7	65	7.9	0.86	110	540
6740-18	2.7	1.8	3.3	65	7.9	1.1	100	480
6740-19	3.3	2.2	3.9	65	7.9	1.7	95	380
6740-20	3.9	2.7	4.7	60	7.9	1.8	87	370
6740-21	4.7	3.3	5.6	60	7.9	1.9	80	360
6740-22	5.6	3.9	6.8	60	7.9	2.0	71	350
6740-23	6.8	4.7	8.2	60	7.9	2.1	62	340
6740-24	8.2	5.6	10	60	7.9	2.4	53	320
6740-25	10	6.8	12	60	7.9	2.7	45	300
6740-26	12	8.2	15	60	2.5	1.7	14	380
6740-27	15	10	18	70	2.5	1.8	12	380
6740-28	18	12	22	65	2.5	2.0	10	350
6740-29	22	15	27	65	2.5	2.2	9.5	340
6740-30	27	18	33	65	2.5	2.3	8.6	330
6740-31	33	22	39	65	2.5	2.6	7.8	310

Part No.	Nominal Inductance	Minimum Range LMin.	Lmax.	Min Q @LNom.	Test Freq. M Hz.	Max. DCR Ohms	Min. SFR M Hz Note 2	Max. IDC mA Note 5
6740-32	39 µH	27 µH	47 µH	55	2.5	3.0	7.2	290
6740-33	47	33	56	55	2.5	3.1	6.6	280
6740-34	56	39	68	45	2.5	3.3	5.9	270
6740-35	68	47	82	45	2.5	3.5	5.3	260
6740-36	82	56	100	45	2.5	4.0	5.1	250
6740-37	100	68	120	45	2.5	4.1	5.0	250
6740-38	120	82	150	70	.79	4.2	4.2	240
6740-39	150	100	180	70	.79	4.3	3.4	240
6740-40	180	120	220	65	.79	7.6	3.1	180
6740-41	220	150	270	65	.79	8.4	2.8	170
6740-42	270	180	330	60	.79	9.0	2.5	170
6740-43	330	220	390	60	.79	9.6	2.3	160
6740-44	390	270	470	40	.79	12	2.1	150
6740-45	470	330	560	40	.79	13	1.9	140
6740-46	560	390	680	35	.79	14	1.8	130
6740-47	680	470	820	35	.79	16	1.7	130
6740-48	820	560	1000	30	.79	18	1.6	120
6740-49	1.0 mH	.68 mH	1.2 mH	30	.79	20	1.5	110
6740-50	1.2	.82	1.5	30	.25	30	.93	91
6740-51	1.5	1.0	1.8	35	.25	35	.86	85
6740-52	1.8	1.2	2.2	35	.25	40	.79	79
6740-53	2.2	1.5	2.7	35	.25	45	.72	75
6740-54	2.7	1.8	3.3	35	.25	51	.70	70
6740-55	3.3	2.2	3.9	35	.25	56	.69	67
6740-56	3.9	2.7	4.7	30	.25	65	.51	62
6740-57	4.7	3.3	5.6	25	.25	88	.47	53
6740-58	5.6	3.9	6.8	25	.25	93	.43	52
6740-59	6.8	4.7	8.2	25	.25	98	.39	51
6740-60	8.2	5.6	10	25	.25	100	.38	50
6740-61	10	6.8	12	25	.25	110	.37	48

SEND YOUR REQUIREMENTS. PROMPT QUOTES.