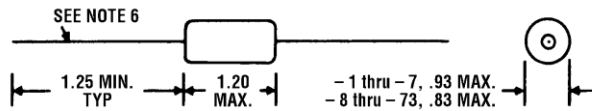




HIGH CURRENT CHOKES

TYPE 6950 10 μ H - 10mH — 10% Tolerance
 Recommended Mounting Pitch — 1.40"



NOTES:

- INDUCTANCE measured on QuadTech/GenRad 1659 RLC Digibridge at 1.0 KHz.
- CURRENT RATING (Rated IDC) is based on 1.0 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.

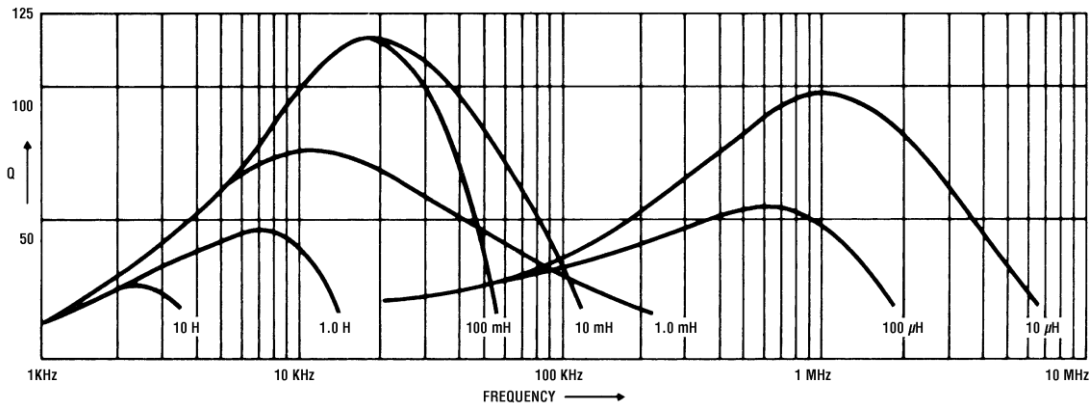
STANDARD VALUES: (Other values are available on special order)

Part No.	Nominal Inductance	Max DCR Ohms	Min. SRF MHz	Rated IDC ma (2)	INCR I ma (3)
6950-01	10 μ H	.007	12	12,000	35,000
6950-02	12	.008	8.0	11,200	32,600
6950-03	15	.009	6.0	10,500	28,400
6950-04	18	.010	5.7	10,000	25,900
6950-05	22	.011	5.3	9500	23,800
6950-06	27	.012	5.0	9100	21,000
6950-07	33	.013	4.5	8800	18,700
6950-08	39	.020	3.4	7100	17,600
6950-09	47	.022	3.2	6700	16,300
6950-10	56	.034	2.6	5400	14,700
6950-11	68	.038	2.4	5100	13,300
6950-12	82	.042	2.2	4900	12,400
6950-13	100	.048	1.9	4600	11,100
6950-14	120	.054	1.7	4300	10,100
6950-15	150	.073	1.5	3700	9100
6950-16	180	.082	1.3	3500	8300
6950-17	220	.091	1.2	3300	7500
6950-18	270	.12	1.1	2900	6800
6950-19	330	.13	1.0	2800	6100
6950-20	390	.18	.92	2400	5600
6950-21	470	.20	.84	2200	5100
6950-22	560	.26	.78	2000	4700
6950-23	680	.30	.69	1800	4300
6950-24	820	.40	.56	1600	3900
6950-25	1.0 mH	.45	.54	1500	3500
6950-26	1.2	.50	.50	1400	3200
6950-27	1.5	.70	.45	1200	2900
6950-28	1.8	.80	.43	1100	2600
6950-29	2.2	1.1	.42	950	2400
6950-30	2.7	1.2	.40	910	2100
6950-31	3.3	1.6	.28	790	1900
6950-32	3.9	1.8	.26	750	1800
6950-33	4.7	2.4	.23	650	1600
6950-34	5.6	2.6	.21	620	1500
6950-35	6.8	3.0	.20	580	1300
6950-36	8.2	4.0	.19	500	1200
6950-37	10	4.6	.18	470	1100

- 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.
- Leads are bare tinned copper:
-1 thru -7, #14 AWG; -8 thru -73, #16 AWG.
- Materials:
Coil Form: Ferrite
Magnet Wire: Per FED SPEC J-W-001177/9
Jacket: Per MIL-I-23053/5, Class 1.
Flame Retardant IAW UL 224, Class 1.
- Marking – Printed with Caddell-Burns Part Number.

Part No.	Nominal Inductance	Max DCR Ohms	Min. SRF MHz	Rated IDC ma (2)	INCR I ma (3)
6950-38	12 mH	6.1	.16	400	1000
6950-39	15	7.1	.15	380	910
6950-40	18	9.6	.14	320	830
6950-41	22	11	.12	300	750
6950-42	27	13	.095	280	680
6950-43	33	15	.085	260	610
6950-44	39	21	.077	220	560
6950-45	47	24	.067	200	510
6950-46	56	33	.065	180	470
6950-47	68	36	.062	170	430
6950-48	82	41	.057	160	390
6950-49	100	55	.051	140	350
6950-50	120	60	.048	130	320
6950-51	150	84	.040	110	290
6950-52	180	94	.033	100	260
6950-53	220	110	.032	95	240
6950-54	270	127	.030	88	210
6950-55	330	165	.027	78	190
6950-56	390	220	.023	67	180
6950-57	470	240	.021	65	160
6950-58	560	330	.020	55	150
6950-59	680	360	.017	53	130
6950-60	820	400	.016	50	120
6950-61	1.0 H	570	.014	42	110
6950-62	1.2	650	.013	40	100
6950-63	1.5	740	.012	37	90
6950-64	1.8	1000	.011	32	83
6950-65	2.2	1100	.010	30	75
6950-66	2.7	1500	.0090	26	68
6950-67	3.3	1700	.0085	24	61
6950-68	3.9	2200	.0080	21	56
6950-69	4.7	2500	.0073	20	51
6950-70	5.6	3500	.0062	17	47
6950-71	6.8	4000	.0058	16	43
6950-72	8.2	4800	.0050	15	39
6950-73	10	5400	.0042	14	35

TYPICAL Q CURVES (TYPE 6950)



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